
CHICAGO JOURNALS


History
of
Science
Society


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Contents

Introduction

The *Isis Current Bibliography of the History of Science* was begun in 1913 by the historian of science George Sarton as part of his new journal *Isis*. It seeks to provide, each year, a comprehensive survey of the most recent work done in the history of science and allied fields. It covers all time periods and all disciplines and strives to be truly international in scope. Below, readers will find information on the use and structure of the bibliography as well as directions for access to the HSTM database, which includes this bibliography, and to other bibliographic sources in the history of science.

As with all such projects, there are limitations, and certain fields of study are not fully covered. In addition, the many journals that are peripheral to our field cannot be surveyed each year. There is sometimes a longer lag time for works published in those forums, as well as for works published by presses outside of North America because access is often more difficult. Individual contributions are always welcome.

Usage Notes

Naming conventions. Family names are in small caps throughout the bibliography. Articles such as *von*, *de*, and *della* are usually not considered to be part of the last name, but this varies by country and language. Asian names are given in reverse Western order. Alphabetization is by last name of the individual with primary responsibility for the text.

Cross-referencing. Cross-references are indicated with *[ref.]* throughout. Cross-references to book reviews are identified by an *R* before the number, and refer to items in the book review section that follows the classified listing.

Indexing of author names. In some instances an item will appear twice, once alone and once as part of an encompassing work (such as a chapter in an edited volume). In those instances, the author index lists only the the independent citation.

Subject index. The terminology used in the subject index corresponds as closely as possible to terminology already in use either in the old *Isis* classification system or in one of the companion bibliographies in the History of Science, Technology, and Medicine database (see below). New subject index terms are drawn from the Library of Congress where possible. Entirely new terminology is added at the discretion of the bibliographer.

Book reviews. In the book review section, reviews are listed alphabetically by author or editor of the book. In the author index, they are listed under the author of the review, but not author of the book.

Dissertations. Dissertations cited from Dissertation Abstracts International have been entered from the information in the electronic database UMI ProQuest Dissertation and Theses, which is a subscription database accessible through Proquest at the following website: `http://wwwlib.umi.com/dissertations/gateway`.

Source notes. In book records, some descriptions or contents lists are marked as "from WorldCat." This means that the information came directly from the OCLC WorldCat database (see `http://www.oclc.org/worldcat/`) and not from the book itself. Where a description states "from the publisher," this means that it was taken from the publisher's website or from its printed catalog.

Electronic publication conventions. Where there are both electronic and print forms of a journal record, the entry does not indicate which version was used to check the citation. Where only an electronic form exists, electronic access information is given for the article. In some cases, the Digital Object Identifier (DOI) number of an the item is listed. DOI numbers are unique for all digitally published works. Works with a DOI can be located through the internet at the following url: `http://www.doi.org/`. Readers should note that access to e-published articles often requires a subscription or a fee. Many libraries will have such subscriptions but this varies widely.

General Note on Classification

The *Isis* classification system for works in the history of science is a two-level hierarchy. It emphasizes time period and discipline, and the bulk of the bibliography is found in section G. Section F deals with geographically based

cultural traditions. It is designed for subjects that are either not part of the Western scientific tradition or, as in the case of Islamic science, often studied apart from the Western historical tradition. Section E holds items classified by discipline that do not fit into the narrower chronological or cultural sections. Sections A through D accommodate works either that are very general, that focus on non-disciplinary topics, or that have a specific analytical framework.

Items whose subjects are confined to a particular chronological period in the Western scientific tradition will be found in that time period. Where a subject stretches between two periods, the item will be in the earlier period. Where a subject encompasses more than two chronological periods, the item will be placed in the topical or disciplinary category in the first part of the bibliography.

Where an item covers two disciplinary fields, it will probably be classified in one of the two fields. Items covering three or more widely disparate fields will usually be classified in a non-disciplinary category.

All items are entered only once. Because most works could easily be classified in more than one subject area, it is impossible for each classification division to contain a comprehensive list of all works relevant to that subject. Users should consult the subject index for a thorough coverage of topics.

For a more detailed description of this system, see the introduction to this bibliography in volume 93 (2002): pp. vii–viii.

HistSciTechMed Database (Changes in 2007)

Online access to the *Isis Current Bibliography* data is through the History of Science, Technology, and Medicine database (HistSciTechMed, formerly HSTM). It is hosted by OCLC and available through its FirstSearch platform. HistSciTechMed contains all of the data from the *Isis* bibliographies from 1974 to the present. In addition, it contains data from three other bibliographies: the Current Bibliography in the History of Technology (compiled by Henry Lowood for the Society for the History of Technology), containing entries from 1987 to the present; the Bibliografia Italiana di Storia della Scienza (BISS) from 1982 to the present; and data from the Wellcome Bibliography for the History of Medicine from 1991 to 2004, supplemented regularly with monograph citations supplied by the Wellcome Library for the History and Understanding of Medicine.

HistSciTechMed can be accessed through libraries or institutions with a subscription to the service or by individuals who are members of the History of Science Society. For individual member access, go to the HSS web site `http://www.hssonline.org/teaching/teaching_database.html`, click on the link, and login using the member username and password printed in the most current *History of Science Society Newsletter*.

Searching the HistSciTechMed database. Because HistSciTechMed contains data compiled by several independent bibliographers, no rigid terminological standard for indexing exists—only a loose set of conventions. Researchers using the HistSciTechMed database might find it useful to use the subject index in this volume to help them with their searches; in addition they should try variations of terms and alternatives. Information about classification and indexing can be accessed and downloaded online as well through the *Isis CB* website `http://www.ou.edu/cas/hsci/isis/website/`.

Other Bibliographic Sources

There exist numerous specialized bibliographies dealing with the history of science. To find them, search this and previous issues of the *Isis Current Bibliography*. In addition to these singly published bibliographies, there are annual publications in various fields that readers should consult, many of which are available through the internet. Below is a short and incomplete list.

A recent free internet site that might be of use for general searches is WorldCat.org, hosted by OCLC, which provides citations for books held in libraries worldwide. Access is at `http://www.worldcat.org/`.

The Bibliografia Italiana di Storia della Scienza is annually updated and has special strengths in Italian language sources. Their web site gives access to a searchable version of their database in either Italian or English, and has links to other useful resources. (See `http://galileo.imss.firenze.it/biblio/ebiss.html`.)

There is a periodically updated list of current works on Islamic science in the *Islamic Science Newsletter* available online at `http://islamsci.mcgill.ca/`. The Scientific Instrument Commission has an online bibliography of over 3,000 works at `http://www.sic.iuhps.org/in_bibrm.htm`. There are also two serially published bibliographies of note: The "Abstracts" section in each issue of *Historia Mathematica* by Glen Van Brummelen

is an excellent annotated bibliography for the history of mathematics.

Also, the "Bibliography of the History of Australian Science" compiled by J. Horacek in each volume of *Historical Records of Australian Science* provides important references to Australian scientific history. In addition, readers should be aware of the Bright Sparcs website (http://www.asap.unimelb.edu.au/bsparcs/), which includes biographical information as well as references to archival and bibliographical materials for Australians involved in the development of the sciences, technology, and medicine. An especially large bibliography on American science can be downloaded from http://home.earthlink.net/~claelliott/ which is maintained by Clark Elliott.

Finally, there is an important list of internet links to resources in the history of science worldwide from the World History of Science Online website (see either http://www.dhs-whso.org/, which is the current url, or or www.dhst-whso.org, which it will change to soon). This site is supported by the International Union of History and Philosophy of Science/Division of History of Science and Technology (IUHPS/DHST).

The *Isis Bibliography* website (http://www.ou.edu/cas/hsci/isis/website/) has links to these online resources and provides general information about the bibliography, its purpose, history, and ways of contributing to the project. The bibliographer welcomes comments and suggestions as well as notice of new publications for inclusion in future issues.

Acknowledgements

I want to thank those individuals who have corresponded with me over the past year. If you don't see all of the citations that you sent to me, it may be that we have not yet had a chance to fully proofread the entries. In most cases, these entries will appear next year. Emanuela Appetiti, Lawrence S. Larsen, and Rienk Vermij helped with foreign language proofing. Steven Livesey has annually provided help with locating hard-to-find medieval citations. I am fortunate to have an active panel of contributors and an extremely helpful advisory board. The graduate students in the History of Science Department at the University of Oklahoma provide the daily support for this project. One of the most enjoyable parts of my job as bibliographer is my weekly interaction with these new historians of science who bring a fresh perspective and great enthusiasm to the field. This year my assistants have been Sylwester Ratowt, Lisa Torres, and Jackie Brazeal. I also much appreciate Stella Stuart's periodic help on small projects and cleaning up odds and ends as needed.

This bibliography would not be possible without the twin support of the History of Science Society and the University of Oklahoma. Especially important to mention are the many people who have given generously to financially support this project, and their contributions are recognized in the HSS Bibliographer's Fund announcement at the front of this volume.

Stephen P. Weldon
Norman, Oklahoma

Information for Contributors

Scholars publishing or knowing of articles pertinent to the scope of the CB should notify the *Isis Current Bibliography* office: Send all contributions to Stephen P. Weldon, Department of History of Science, 601 Elm St., Room 618, University of Oklahoma, Norman, Oklahoma 73019–3106; email: isiscb@ou.edu; web page: http://www.ou.edu/cas/hsci/isis/website/. For those wishing to contribute an entry or entries, please send as much information about the items as possible. Use the entries in this bibliography to guide you. Descriptive remarks are encouraged but should be kept to about fifty words.

Journal List

The list of journal abbreviations below is a cumulative list that includes journals cited in past volumes of this bibliography. The asterisks indicate that a journal is cited this year.

Abaco Abaco (0213-6252)

Achad. Leonardi Vinci Achademia Leonardi Vinci

Acta Bot. Neerlandica Acta Botanica Neerlaudica

Acta Comeniana Acta Comeniana: Archiv pro Bádáni o Zivote díle Jana Amose Komenského

Acta Geod. Geophys. Hung. Acta Geodaetica et Geophysica Hungarica (1217-8977)

Acta Hist. Astron. Acta Historica Astronomiae (1422-8521)

Acta Hist. Rerum Nat. Tech. Acta Historiae Rerum Naturalium necnon Technicarum (1211-958X)

*Acta Historica Leopoldina

Acta Musei Morav. Supp. Acta Musei Moraviae. Supplementum: Folai Mendeliana (0085-0748)

**Acta Phil.* Acta Philosophica (1121-2179)

*Aestimatio (1549-4497)

Agr. Hist. Agricultural History (0002-1482)

Air Power Hist. Air Power History (1044-016X)

**al-Qanṭara* al-Qanṭara (0211-3589)

Alabama Rev. Alabama Review

Albion Albion (0095-1390)

**Aleph* Aleph: Historical Studies in Science and Judaism (1565-1525)

Allg. Z. Phil. Allgemeine Zeitschrift für Philosophie

**Ambix* Ambix (0002-6980)

Amer. Anthropol. American Anthropologist

Amer. Antiq. American Antiquity (0002-7316)

Amer. Behav. Sci. American Behavioral Scientist

Amer. Cath. Phil. Quart. American Catholic Philosophical Quarterly (1051-3558)

**Amer. Hist. Rev.* American Historical Review (0002-8762)

Amer. Imago American Imago (0065-860X)

Amer. Ind. Cult. Res. J. American Indian Culture and Research Journal (0161-6463)

**Amer. Ind. Quart.* American Indian Quarterly

Amer. J. Archaeol. American Journal of Archaeology

Amer. J. Philol. American Journal of Philology (0002-9475)

Amer. J. Phys. American Journal of Physics (0002-9505)

Amer. J. Psychol. American Journal of Psychology

Amer. J. Sociol. American Journal of Sociology (0002-9602)

**Amer. Jewish Hist.* American Jewish History (0164-0178)

Amer. Lit. Hist. American Literary History (0896-7148)

Amer. Math. Mon. American Mathematical Monthly

Amer. Neptune American Neptune (0003-0155)

**Amer. Paleon.* American Paleontologist (1066-8772)

Amer. Phil. Quart. American Philosophical Quarterly

Amer. Psychol. American Psychologist

Amer. Quart. American Quarterly

Amer. Sch. American Scholar

**Amer. Scient.* American Scientist (0003-0996)

Amer. Sociol. American Sociologist

Amer. Sociol. Rev. American Sociological Review

**Amer. Stud.* American Studies

Amer. Stud. Internat. American Studies International

Americas Americas (0003-1615)

Analecta Analecta: Studia i Materiały z Dziejów Nauki (1230-1159)

Ancient Phil. Ancient Philosophy (0740-2007)

Ancient World Ancient World

Angewan. Chem. Angewandte Chemie (0044-8249)

Angewan. Chem. Int. Ed. Angewandte Chemie International Edition (0721-4227)

Anglo-Saxon Engl. Anglo-Saxon England

Ann. Amer. Acad. Polit. Soc. Sci. Annals of the American Academy of Political and Social Science (0002-7162)

Ann. Assoc. Amer. Geogr. Annals of the Association of American Geographers

Ann. Bourgogne Annales de Bourgogne

Ann. Carnegie Mus. Annals of Carnegie Museum (0097-4463)

Ann. Démogr. Hist. Annales de Démographie Historique

Ann. Hist. Comput. IEEE Annals of the History of Computing (1058-6180)

Ann. Hist. Revol. Fran. Annales historiques de la Révolution française (0003-4436)

**Ann. Iowa* Annals of Iowa

Ann. Ist. Ital. Stud. Stor. Annali dell'Istituto Italiano per gli Studi Storici

Ann. Midi Annales du Midi (0003-4398)

Ann. N. Y. Acad. Sci. Annals of the New York Academy of Sciences (0077-8923)

Ann. Naturhist. Mus. Wien Annalen des Naturhistorischen Museums in Wien

Ann. Physik Annalen der Physik (0003-3804)

Ann. Psychol. Année Psychologique (0003-5033)

**Ann. Sci.* Annals of Science (0003-3790)

Ann. Sociol. L'Année Sociologique

Annales Annales. Histoire, sciences sociales (0395-2649)

Annu. Rev. Anthropol. Annual Review of Anthropology

Annu. Rev. Phytopathol. Annual Review of Phytopathology

Annu. Rev. Sociol. Annual Review of Sociology

Anthropos Anthropos: Revista de Documentación Cientifica de la Culturade

Anthropozoologica Anthropozoologica (0761-3032)

Antike Naturwiss. Rezept. Antike Naturwissenschaft und Ihre Rezeption (0942-0398)

Antiq. Horology Antiquarian Horology and the Proceedings of the Antiquarian Horological Society (0003-5785)
Antiquité Cl. Antiquité Classique
Antiquity Antiquity (0003-598X)
ANZ J. Surg. ANZ Journal of Surgery
Apeiron Apeiron (0003-6390)
Appl. Spectro. Applied Spectroscopy (0003-7028)
APS News APS News (1058-8132)
**Arab. Sci. Phil.* Arabic Sciences and Philosophy (0957-4239)
Arbor Arbor: Ciencia, Pensamiento y Cultura
Arch. Begriffsgesch. Archiv für Begriffsgeschichte
Arch. Eur. Sociol. Archives Européennes de Sociologie
Arch. Franciscanum Hist. Archivum Franciscanum Historicum (0004-0665)
Arch. Gesch. Phil. Archiv für Geschichte der Philosophie (0003-9101)
Arch. Hist. Doct. Litt. Moyen Age Archives d'Histoire Doctrinale et Littéraire du Moyen Âge (0373-5478)
**Arch. Hist. Exact Sci.* Archive for History of Exact Sciences (0003-9519)
Arch. Hist. Filozof. Myśli Społechnej Archiwum Historii Filozofii i Myśli Społechnej (0066-6874)
**Arch. Int. Hist. Sci.* Archives Internationales d'histoire des Sciences (0003-9810)
Arch. Kulturgesch. Archiv für Kulturgeschichte
**Arch. Natur. Hist.* Archives of Natural History (0260-9541)
Arch. Phil. (Paris) Archives de Philosophie
Arch. Reformationsgesch. Archiv für Reformationsgeschichte
Arch. Sci. Comp. Rendu Seances Soc. Phys. Hist. Nat. Geneve Archives des Sciences et Compte Rendu des Seances de la Societe de Physique et d'Histoire Naturelle de Geneve (0252-9289)
Arch. Sci. Soc. Relig. Archives de Sciences Sociales des Religions
**Arch. Trentino* Archivio Trentino
Archaeoastronomy Archeoastronomy (Supplement to Journal for the History of Astronomy) (0142-7253)
Archaeoastronomy J. Astro. Cult. Archaeoastronomy: The Journal of Astronomy in Culture (0190-9940)
**Archaeometry* Archaeometry (0003-813X)
Architect. Hist. Architectural History (0066-622X)
Archivio Storico per le Province Napoletane (0392-0267)
Archiwum Hist. Filozofii Med. Archiwum Historii i Filozofii Medycyny
Arctos Arctos: Acta Philologica Fennica
Arkansas Hist. Quart. Arkansas Historical Quarterly
Arms Arm. Soc. J. Arms and Armour Society Journal (0004-2439)
Art Bull. Art Bulletin
Arte Medievale Arte Medievale (0393-7267)
Asclepio Asclepio (0210-4466)
Astron. Nachricht. Astronomische Nachrichten (0004-6337)
Astrophy. Space Sci. Astrophysics and Space Science (0004-640X)
Atene Roma Atene e Roma: Rassegna Trimestrale dell'Associazione ltaliana di Cultura Classica
*ATQ (1078-3377)
Atti Accad. Rover. Agiati Contr. Cl. Sci. Mat. Fis. Nat. Atti della Accademia Roveretana degli Agiati, Contributi della Classe di Scienze Matematiche, Fisiche e Naturali
**Atti Accad. Rover. Agiati Fasc. A* Accademia Roveretana degli Agiati. Atti. Fasc. A: Classe di Scienze Umane, Lettere ed Arti (1122-6064)
Atti Accad. Sci. Torino Cl. Sci. Mor. Stor. Filol. Atti della Accademia delle Scienza di Torino, Classe di Scienze Morali, Storiche e Filologiche
Atti Ist. Veneto Sci. Lett. Arti Cl. Sci. Fis. Mat. Nat. Atti dell' Istituto Veneto di Scienze, Lettere ed Atti, Classe di Scienze Fische, Matematiche e Naturali
Atti Mem. Accad. Naz. Sci. Lett. Arti Modena Atti e Memorie, Accademia Nazionale di Scienze, Lettere e Atti Modena
Atti Mem. Accad. Patavina Sci. Lett. Arti Cl. Sci. Mat. Natur. Atti e Memorie dell'Accademia Patavina di Scienze, Lettere ed Arti, Classe di Scienze Matematiche e Naturali
Aurora Aurora: Jahrbuch der Eichendorff-Gesellschaft
Aust. J. Pol. Hist. Australian Journal of Politics and History (0004-9522)
Austral. Hist. Stud. Australian Historical Studies (1031-461X)
Austral. J. Bot. Australian Journal of Botany (0067-1924)
Australas. J. Australasian Journal of Philosophy
Auto/Biogr. Studies Auto/Biography Studies
Behavior. Behaviorology (1047-8663)
**Beit. Gesch. Geophy. Kos. Phys.* Beiträge zur Geschichte der Geophysik und Kosmischen Physik (1615-2628)
Beitr. Astronomiegesch. Beiträge zur Astronomiegeschichte (1422-8521)
**Ber. Wissenschaftsgesch.* Berichte zur Wissenschaftsgeschichte (0170-6233)
Berkeley Papers Hist. Sci. Berkeley Papers in History of Science (0145-0379)
Bibl. École Chartes Bibliothèque de l'École des Chartes (0373-6237)
Bibl. Hum. Renaiss. Bibliothèque d'humanisme et renaissance. Travaux et documents (0006-1999)
Bibliofilla La Bibliofilla: Rivista di Storia del Libro e di Bibliografia
Biogr. Mem. Fellows Royal Soc. Biographical Memoirs of Fellows of the Royal Society (0080-4606)
Biogr. Mem. Nat. Acad. Sci. Biographical Memoirs of the National Academy of Sciences
**Biol. Phil.* Biology and Philosophy (0169-3867)
Biol. Rev. Publ. Cambridge Phil. Sci. Biological Reviews Published for the Cambridge Philosophical Society
Biometrika Biometrika
**BKI* Bijdragen tot de Taal-, Land-, en Volkenkunde
Boll. Soc. Stud. Fiorentini Bollettino della Società di Studi Fiorentini
**Boll. Stor. Sci. Mat.* Bollettino di Storia delle Scienze Matematiche (0392-4432)
**Book Hist.* Book History (1098-7371)
Bot. Rev. Botanical Review

Brit. J. 18th-Cent. Stud. British Journal for Eighteenth-Century Studies
Brit. J. Hist. Phil. British Journal for the History of Philosophy (0960-8788)
**Brit. J. Hist. Sci.* British Journal for the History of Science (0007-0874)
**Brit. J. Mid. East Stud.* British Journal of Middle Eastern Studies
Brit. J. Phil. Sci. British Journal for the Philosophy of Science (0007-0882)
Brit. J. Sociol British Journal of Sociology
Britannia Britannia: Journal of Romano- British and Kindred Studies
Bruniana Campanelliana Bruniana & Campanelliana: Ricerche Filosofiche e Materiali Storico-testuali
Bull. Amer. Math. Soc. Bulletin of the American Mathematical Society
Bull. Amer. Meteor. Soc. Bulletin of the American Meteorological Society (0003-0007)
Bull. Ass. Guillaume Budé Bulletin de l'Association Guillaume Budé
Bull. Atom. Sci. Bulletin of the Atomic Scientists
Bull. Ecol. Soc. Amer. Bulletin of the Ecological Society of America (0012-9623)
Bull. École Franç. Extrême-Orient Bulletin de l'École Française d'Extrême-Orient
Bull. Hist. Archaeol. Bulletin of the History of Archaeology
**Bull. Hist. Chem.* Bulletin for the History of Chemistry (1053-4385)
Bull. Hist. Electr. Bulletin d'Histoire de l'Électricité
**Bull. Hist. Med.* Bulletin of the History of Medicine (0007-5140)
Bull. Hist. Polit. Bulletin d'Histoire Politique
**Bull. Latin Amer. Res.* Bulletin of Latin American Research
Bull. Mém. Soc. Anthropol. Paris Bulletins et Mémoires de la Société d'Anthropologie de Paris
Bull. Menninger Clin. Bulletin of the Menninger Clinic
Bull. Phil. Médiév. Bulletin de Philosophie Médiévale (0068-4023)
Bull. Philol. Hist. Bulletin Philologique et Historique du Comité des Travaux Historiques et Scientifiques
Bull. Sch. Orient. Afr. Stud. Bulletin of the School of Oriental and African Studies [London University]
Bull. Sci. Instr. Soc. Bulletin of the Scientific Instrument Society (0956-8271)
**Bull. Sci. Tech. Soc.* Bulletin of Science, Technology & Society (0270-4676)
Bull. Soc. Amis Biblio. École Polytech. Bulletin de la Société des Amis de la Bibliothèque de l'École Polytechnique
Bull. Soc. Etud. Sci. Archeol. Draguignan Du Var Bulletin de la Société d'Etudes Scientifiques et Archeologiques de Draguignan et Du Var
Bus. Econ. Hist. Business and Economic History
Bus. Hist. Business History
Bus. Hist. Rev. Business History Review
Byzantinische Z. Byzantinische Zeitschrift
Cadernos Pagu Cadernos Pagu (0104-8333)
Caduceus Caduceus (0882-6447)
Cah. Civilisation Médiévale Cahiers de Civilisation Médiévale
Cah. Hist. Tech. Cahier d'Histoire des techniques (1158-8403)
Cah. Monde Russe Cahiers du monde russe (1252-6576)
Cah. Sci. Vie Les Cahiers de Science et Vie
Cahiers Hist. Phil. Sci. Cahiers d'Histoire et de Philosophie des Sciences. Nouvelle Serie (0221-3664)
Can. Bull. Med. Hist. Canadian Bulletin of Medical History/Bulletin Canadien d'Historie de la Medecine (0823-2105)
**Can. Hist. Rev.* Canadian Historical Review
**Can. J. Hist.* Canadian Journal of History (0008-4107)
Can. J. Phil. Canadian Journal of Philosophy
Can.-Amer. Slav. Stud. Canadian-American Slavic Studies (0090-8290)
**Carib. Stud.* Caribbean Studies
Cartographica Cartographica
**Cath. Hist. Rev.* The Catholic Historical Review (0008-8080)
Cauda Pavonis Cauda Pavonis: The Hermetic Text Society Newsletter
Cent. Eur. Hist. Central European History (0008-9389)
**Centaurus* Centaurus (0008-8994)
Centennial Rev. Centennial Review
**Chem. Heritage* Chemical Heritage (0736-4555)
**China Quart.* China Quarterly
**Chinese J. Hist. Sci. Tech.* The Chinese Journal for the History of Science and Technology (1673-1441)
Chron. Okla. Chronicles of Oklahoma (0009-6024)
Chrysopoeia Chrysopoeia (0984-7340)
Church Hist. Church History (0009-6407)
Churchill Review
Cien. Hoje Ciência Hoje (0101-8515)
Cl. J. Classical Journal
Cl. Philol. Classical Philology
Cl. Quart. Classical Quarterly
Cl. Rev. Classical Review
Cl. World Classical World
Clin. Chem. Clinical Chemistry (0009-9147)
Clio Clio: Interdisciplinary Journal of Literature, History, and the Philosophy of History
**Col. Latin Amer. Rev.* Colonial Latin American Review
College Math. J. College Mathematics Journal (0746-8342)
Comm. ACM Communications of the Association for Computing Machinery (ACM)
Common Knowl. Common Knowledge (0961-754X)
Comp. Stud. Soc. Hist. Comparative Studies in Society and History
Compendium Compendium
Compt. Rend. Acad. Inscriptions Belles Lett. Comptes Rendus de l'Académie des Inscriptions et Belles-Lettres
Comptes Rend. Congr. Nat. Soc. Savant. Sect. Sci. Comptes Rendus du Congrès National des Sociétés Savantes, Section des Sciences
Conf. Soc. Philomath. Paris Les Conférences de la Sociétés Philomathique de Paris

Configurations Configurations (1063-1801)
Construc. Hist. Construction History
**Cont. Europ. Hist.* Contemporary European History (0960-7773)
Contention Contention
Contin. Change Continuity and Change (0268-4160)
**Coord. Online J. Map Geog. Round Table* Coordinates: Online Journal of the Map and Geography Round Table, American Library Association. (1553-3247)
Corpus Corpus: Revue de Philosophie
Crit. Inq. Critical Inquiry (0093-1896)
*Cromohs (1123-7023)
Cronos Cronos (1139-711X)
Cryptologia Cryptologia
Cuad. Hist. Med. Españ. Cuadernos de História de la Medicina Española
Cuadern. Hist. Contemp. Cuadernos de Historia Contemporánea (0214-400X)
Cult. Anthropol. Cultural Anthropology
Cult. Cosmos Culture and Cosmos (1368-6534)
Cult. Critique Cultural Critique
Cult. Dynam. Cultural Dynamics (0921-3740)
Cult. Med. Psychiat. Culture, Medicine and Psychiatry
Cult. Scu. Cultura e Scuola
Cultura (Rome) Cultura: Rivista Trimestrale
Curr. Anthropol. Current Anthropology
Curr. Work Hist. Med. Current Work in the History of Medicine (0011-3999)
**Czech Hist. Rev.* Ceský casopis historický (0862-6111)
Dae-Dong-Mun-Hwa-Yongu Dae-Dong-Mun-Hwa-Yongu (The Journal of Eastern Studies)
Dædalus Dædalus (0011-5266)
Dahlemer Archivgespr. Dahlemer Archivgespräche (1431-6641)
Dalhousie Rev. Dalhousie Review
Danish Yearbk. Phil. Danish Yearbook of Philosophy
Daphnis Daphnis: Zeitschrift für Mittlerc Deutsche Literatur
**Deut. Arch. Erforschung Mittel.* Deutsches Archiv für Erforschung des Mittelalters (0012-1223)
Deut. Vierteljahrsschr. Literaturwiss. Geistesgesch. Deutsch Vierteljahrsschrift für Literaturwissenschaft und Geistesgeschichte
Deut. Z. Phil. Deutsche Zeitschrift für Philosophie
Dialectica Dialectica: International Review of Philosophy of Knowledge
Dialogue Dialogue: Canadian Philosophical Review
**Dianoia* Dianoia: Annali di storia della filosofia (1125-1514)
Diderot Stud. Diderot Studies
Differences Differences: A Journal of Feminist Cultural Studies
Dilthey-Jahrb. Dilthey-Jahrbuch für Philosophic und Geschichte der Geisteswissenschaften
DIO DIO
Diogenes Diogenes (0392-1921)
**Diplomatic Hist.* Diplomatic History
Discurso Discurso (0188-1825)
**Diss. Abstr. Int. A* Dissertation Abstracts International. A (0419-4209)
**Diss. Abstr. Int. B* Dissertation Abstracts International. B (0419-4217)
**Diss. Abstr. Int. C* Dissertation Abstracts International. C (1042-7279)
Dix-huit. Siècle Dix-huitième siècle (0070-6760)
Docum. Stud. Trad. Fil. Mediev. Documentie Studi sulla Tradizione Filosofica Medievale: Rivista della Società lnternazionale per lo Studio del Medioevo Latino
Dong Bang Hak Chi Dong Bang Hak Chi (The Journal of Korean Studies)
Dubrovnik Ann. Dubrovnik Annals (1331-3878)
Dumbarton Oaks Pap. Dumbarton Oaks Papers (0070-7546)
Durham Univ. J. Durham University Journal (0012-7280)
Durkheim. Stud. Durkheimian Studies (1362-024X)
**Dynamis* Dynamis (0211-9536)
E.I.A.L. Estudios Interdisciplinarios de America Latina y el Caribe (07927061)
**Early Amer. Stud.* Early American Studies
Early Mediev. Eur. Early Medieval Europe (0963-9462)
**Early Sci. Med.* Early Science and Medicine (1383-7427)
**Earth Sci. Hist.* Earth Sciences History (0736-623X)
East Eur. Quart. East European Quarterly
**EASTM* East Asian Science, Technology, and Medicine (1562-918X)
Ecology Ecology (0012-9658)
Econ. Bot. Economic Botany
**Econ. Hist. Rev.* Economic History Review
Econ. Soc. Economy and Society
Ecosystems Ecosystems (1432-9840)
**Eighteenth Cent. Theory Interpr.* Eighteenth Century: Theory and Interpretation
**Eighteenth-Cent. Life* Eighteenth-Century Life
Eighteenth-Cent. Stud. Eighteenth-Century Studies (0013-2586)
ELH ELH: English Literary History (0013-8304)
**Endeavour* Endeavour (0160-9327)
Éndoxa Éndoxa (1133-5351)
**Engl. Hist. Rev.* English Historical Review
Engl. Lang. Notes English Language Notes
Engl. Stud. English Studies
Enlight. and Dissent Enlightenment and Dissent (0262-7612)
Environ. and Hist. Environment and History
**Environ. Hist.* Environmental History (1084-5453)
EOS Eos: Transactions, American Geophysical Union (0096-3941)
Episteme Episteme: Filosofia e História da Ciência em Revista (1413 - 5736)
Epistemologia Epistemologia (0392-9760)
Eranos Eranos: Acta Philologica Suecana
Erkenntnis Erkenntnis: International Journal of Analytic Philosophy
Essays Arts Sci. Essays in Arts and Sciences
**Essays Med. Stud.* Essays in Medieval Studies (1043-2213)
Estud. Hist. Ciencias Téc. Estudios de Historia das Ciencias e das Técnicas
Ethics Sci. Med. Ethics in Science and Medicine (0306-4581)

Ethnic Racial Stud. Ethnic and Racial Studies
**Ethnohist.* Ethnohistory: Journal of the American Society for Ethnohistory
Étud. Phil. Études Philosophiques (0014-2166)
Étud. Renan. Études Renaniennes
Étud. XVIII Siècle Études sur le XVIIIe Siècle
Euphrosyne Euphrosyne: Revista de Filologia Classica
Eur. Astron. Soc. News. European Astronomical Society Newsletter
Eur. Hist. Quart. European History Quarterly
Eur. J. Phys. European Journal of Physics
Eur. Legacy European Legacy (1084-8770)
**Eur. Rev.* European Review
Eur. Romantic Rev. European Romantic Review
Eurasian Soil Sci. Eurasian Soil Science (1064-2293)
Europhys. News Europhysics News (0531-7479)
Exemplaria Exemplaria: A Journal of Theory in Medieval and Renaissance Studies
Explor. Econ. Hist. Explorations in Economic History
FASEB J. The FASEB Journal
Feminist Stud. Feminist Studies
Filozofski Vest. Filozofski Vestnik (0353-4510)
Folia Mendel. Folia Mendeliana Musei Moravia
Fortschr. Neurol. Psychiat. Fortschritte der Neurologie, Psychiatrie
**Found. Chem.* Foundations of Chemistry (1386-4238)
Found. Phys. Foundations of Physics (0015-9018)
Found. Sci. Foundations of Science (1233-1821)
Franciscan Stud. Franciscan Studies (0080-5459)
**French Col. Hist.* French Colonial History (1539-3402)
*French Forum (0098-9355)
French Hist. French History (0269-1191)
French Hist. Stud. French Historical Studies (0016-1071)
Frühmittelalt. Stud. Frühmittelalterliche Studien (0071-9706)
Futuribles Futuribles
Garden Hist. Garden History
Gaz. Arch. La Gazette des Archives
Gend. & Hist. Gender and History (0953-5233)
Genders Genders
Genèses Genèses: Sciences Sociales et Histoire
Genet. Resourc. Crop Evol. Genetic Resources and Crop Evolution (0925-9864)
Geof. Internat. Geofísica Internacional (0016-7169)
Geogr. J. Geographical Journal
Geogr. Rev. Geographical Review
Geogr. Z. Geographische Zeitschrift (0016-7479)
Geohist. Bl. Geohistorische Blätter (1436-3135)
Geologische Bundesanstalt. Abhandlungen Geologische Bundesanstalt. Abhandlungen (0378-0864)
**Georgia Hist. Quart.* Georgia Historical Quarterly
Georgia J. Sci. Georgia Journal of Science
Germ. Hist. German History (0266-3554)
**Germ. Hist. Instit. Bull.* German Historical Institute Bulletin (1048-9134)
Germ. Rev. The Germanic Review
**Germ. Stud. Rev.* German Studies Review
**Gesch. Gesell.* Geschichte und Gesellschaft (0340-613X)
**Gesnerus* Gesnerus (0016-9161)
**Gewina* Gewina (0928-303X)
Glotta Glotta: Zeitschrift griechische und lateinische Sprache
Goethe Jahrb. Goethe Jahrbuch
Grad. Fac. Phil. J. Graduate Faculty Philosophy Journal (0093-4240)
Gradhiva Gradhiva (Département Archives et d'Ethnographie du Musée de l'Homme, Paris)
Great Ideas Today Great Ideas Today
Greece Rome Greece and Rome
**Greek Roman Byzantine Stud.* Greek, Roman, and Byzantine Studies
**Guangxi Minzu Xueyuan Xuebao* Guangxi Minzu Xueyuan Xuebao
Gutenberg Jahrb. Gutenberg Jahrbuch (0072-9094)
Han'guk Kwahak-sa Hakhoe-ji Han'guk Kwahak-sa Hakhoe-ji (Journal of the Korean History of Science Society) (1229-7895)
**Han'guk Munhwa* Han'guk Munhwa (Korean Culture)
**Han-gook-sa Yeon-goo* Han-gook-sa Yeon-goo (Journal of Korean History)
**Han-kuk-sasangsahak* Han-kuk-sasangsahak (The Study of Korean History of Thoughts)
Hanxue yanjiu Hanxue yanjiu (Chinese Studies) (02544466)
**Harvard J. Asia. Stud.* Harvard Journal of Asiatic Studies
Harvard Libr. Bull. Harvard Library Bulletin (0017-8136)
Hegel Jahrb. Hegel Jahrbuch
**Helv. Chim. Acta* Helvetica Chimica Acta (0018-019X (print), 1522-2675 (online))
Hermes Hermes: Zeitschrift für Klassische Philologic
**Heroic Age: J. Early Med. Northwest. Eur.* The Heroic Age: A Journal of Early Medieval Northwestern Europe (1526-1867)
Himal. Res. Bull. Himalayan Research Bulletin
**Hispanic Amer. Hist. Rev.* Hispanic American Historical Review
Hispanic Rev. Hispanic Review
Hist. & Anthro. History and Anthropology (0275-7206)
**Hist. & Mem.* History and Memory: Studies in Representation of the Past (0935-560X)
**Hist. & Tech.* History and Technology (0734-1512)
Hist. & Theory History and Theory (0018-2656)
**Hist. Africa* History in Africa (0361-5413)
Hist. Anthropol. Newslett. History of Anthropology Newsletter (0362-9074)
Hist. Childhood Quart. History of Childhood Quarterly
Hist. Écon. Soc. Histoire, Économie et Société
**Hist. Educ.* History of Education (0046-760X)
**Hist. Educ. Quart.* History of Education Quarterly (0018-2680)
Hist. Educ. Rev. History of Education Review (0819-8691)
Hist. et Nature Histoire et Nature (0396-9681)
Hist. Europ. Ideas History of European Ideas (0191-6599)

Hist. High. Educ. Ann. History of Higher Education Annual (0737-2698)
Hist. Hum. Sci. History of the Human Sciences (0952-6951)
Hist. J. Historical Journal (0018-246X)
**Hist. Math.* Historia Mathematica (0315-0860)
Hist. Mesure Histoire et Mesure (0982-1783)
**Hist. Mex.* Historia Mexicana
**Hist. Phil. Life Sci.* History and Philosophy of the Life Sciences (0391-9714)
**Hist. Phil. Logic* History and Philosophy of Logic (0144-5340)
**Hist. Phil. Quart.* History of Philosophy Quarterly (0740-0675)
Hist. Phys. History of Physics Newsletter (1048-1338)
Hist. Pol. Thought History of Political Thought (0143-781X)
Hist. Psychiat. History of Psychiatry (0957-154X)
**Hist. Psychol.* History of Psychology (1093-4510)
**Hist. Rec. Aust. Sci.* Historical Records of Australian Science (0727-3061)
Hist. Reflect. Historical Reflections/Réflexions Historiques
Hist. Relig. History of Religions (0018-2710)
Hist. Res. Historical Research: The Bulletin of the Institute of Historical Research (0950-3471)
Hist. Rev. New Bks. History: Reviews of New Books (0361-2759)
**Hist. Sci.* History of Science (0073-2753)
Hist. Sci. Médicales Histoire des Sciences Médicales (0440-8888)
**Hist. Scientiarum* Historia Scientiarum (0285-4821)
**Hist. Stud. Phys. Biol. Sci.* Historical Studies in the Physical and Biological Sciences (0890-9997)
Hist. Teach. History Teacher (0018-2745)
Hist. Tech. History of Technology (0307-5451)
Hist. Today History Today
Hist. Univ. History of Universities (0144-5138)
Hist. Workshop J. History Workshop Journal (1363-3554)
Hist. Z. Historische Zeitschrift (0018-2613)
Histoire Educ. Histoire de l'Education (0221-6280)
Historia Historia (0018-2311)
Historian Historian: Journal of History
**History* History (0018-2648)
Homme Homme: Revue Française d'Anthropologie
Homme Société Homme et la Société
Hsin-shih-hsueh Hsin-shih-hsueh (New History) (1023-2249)
Hum. Tech. Rev. Humanities and Technology Review
Humboldt Humboldt (Internationales Nationes)
Humor Health J. Humor and Health Journal
Huntia Huntia (0073-4071)
Huntington Libr. Quart. Huntington Library Quarterly
Hyeondae Bukhan Yeonku Hyeondae Bukhan Yeonku (North Korean Studies Review)
HYLE Hyle (1433-5158)
I Tatti Stud. I Tatti Studies: Essays in the Renaissance
Icon Icon: Journal of the International Committee for the History of Technology
Ideal. Stud. Idealistic Studies
**Imago Mundi* Imago Mundi (0308-5694)
Impact Sci. Soc. Impact of Science on Society (0019-2872)
**Indian J. Hist. Sci.* Indian Journal of History of Science (0019-5235)
**Indiana Mag. Hist.* Indiana Magazine of History
Indust. Archaeol. Industrial Archaeology (0019-7971)
*Industrial and Corporate Change
**Int. J. Mid. East Stud.* International Journal of Middle East Studies
Int. J. Phil. Stud. International Journal of Philosophical Studies
Int. J. Psychiat. International Journal of Psychiatry
Int. J. Psychoanal. International Journal of Psychoanalysis
**Int. Phil. Quart.* International Philosophical Quarterly
Int. Rev. Soc. Hist. International Review of Social History
Int. Stud Phil Sci. International Studies in the Philosophy of Science (0269-8595)
Int. Z. Phil. Intemationale Zeitschrift für Philosophie
**Interdiscipl. Sci. Rev.* Interdisciplinary Science Reviews (0308-0188)
Internat. J. Devel. Biol. International Journal of Developmental Biology (0214-6282)
Internat. Soc. Sci. J. International Social Science Journal (0020-8701)
Interpretation Interpretation: A Journal of Political Philosophy
Intersezioni Intersezioni: Rivista di Storia delle ldee
Intertexts Intertexts
Invest. Cienc. Investigación y Ciencia (0210-136X)
**Iran. Stud.* Iranian Studies
Irish Astron. J. The Irish Astronomical Journal
Irish Hist. Stud. Irish Historical Studies: Joint Journal of the Irish Historical Society and the Ulster Society for Irish Historical Studies (0021-1214)
**Isis* Isis (0021-1753)
Islam. Sci. Newslett. Islamic Science Newsletter
*Israel Studies (1084-9513)
Issues Sci. Tech. Issues in Science and Technology (0748-5492)
Issues Writing Issues in Writing
Istor. Astron Issled. Istoriko-Astronomicheskie Issledovaniia
Istor. Metodol. Estestv. Nauk Istoriia i Metodologiia Estestvennykh Nauk
Iz. Ist. Biol. lz lstorii Biologii
J. Aesthet. Art Crit. Journal of Aesthetics and Art Criticism
J. Amer. Acad. Relig. Journal of the American Academy of Religion (0002-7189)
**J. Amer. Cult.* Journal of American Culture
J. Amer. Hist. Journal of American History (0021-8723)
J. Amer. Orient. Soc. Journal of the American Oriental Society
J. Amer. Res. Cent. Egypt Journal of the American Research Center in Egypt
J. Anthropol. Soc. Oxford Journal of the Anthropological Society of Oxford

J. Arch. Org. Journal of Archival Organization (1533-2748)
J. Asia. Journal Asiatique
**J. Asian Stud.* Journal of Asian Studies (0021-9118)
J. Astron. Hist. Herit. Journal of Astronomical History and Heritage (1440-2507)
J. Atmos. Sol.-Terr. Phys. Journal of Atmospheric and Solar-Terrestrial Physics (1364-6826)
**J. Black Stud.* Journal of Black Studies
**J. Brit. Stud.* Journal of British Studies
J. Can. Stud. Journal of Canadian Studies
J. Chem Educ. Journal of Chemical Education (0021-9584)
**J. Classic. Soc.* Journal of Classical Sociology
J. Cold War Stud. Journal of Cold War Studies (1520-3972)
**J. Colonialism Col. Hist.* Journal of Colonialism and Colonial History (1532-5768)
J. Contemp. Hist. Journal of Contemporary History (0022-0094)
**J. Dial. Natur.* Journal of Dialectics of Nature
J. Early Mod. Hist. Journal of Early Modem History
**J. Early Repub.* Journal of the Early Republic
**J. Econ. Hist.* Journal of Economic History
J. Egypt. Archaeol. Journal of Egyptian Archaeology
J. Eur. Econ. Hist. Journal of European Economic History
J. Eur. Stud. Journal of European Studies (0047-2441)
J. Gen. Phil. Sci. Journal for General Philosophy of Science (0925-4560)
J. Geoph. Res. Journal of Geophysical Research (0148-0227)
J. Hellen. Stud. Journal of Hellenic Studies
J. Hist. Arabic Sci. Journal for the History of Arabic Science (0379-2927)
**J. Hist. Astron.* Journal for the History of Astronomy (0021-8286)
**J. Hist. Behav. Sci.* Journal of the History of the Behavioral Sciences (0022-5061)
**J. Hist. Biol.* Journal of the History of Biology (0022-5010)
**J. Hist. Collect.* Journal of the History of Collections (0954-6650)
J. Hist. Dent. Journal of the History of Dentistry (1089-6287)
J. Hist. Econ. Thought Journal of the History of Economic Thought
J. Hist. Geogr. Journal of Historical Geography
**J. Hist. Ideas* Journal of the History of Ideas (0022-5037)
**J. Hist. Med. Allied Sci.* Journal of the History of Medicine and Allied Sciences (0022-5045)
J. Hist. Metall. Soc. Journal of the Historical Metallurgy Society
**J. Hist. Neurosci.* Journal of the History of the Neurosciences (0964-704X)
**J. Hist. Phil.* Journal of the History of Philosophy (0022-5053)
J. Hist. Sexual. Journal of the History of Sexuality
J. Hist. Sociol. Journal of Historical Sociology
J. Illinois Hist. Journal of Illinois History
J. Indo-Euro. Stud. Journal of Indo-European Studies (0092-2323)
J. Indo-Judaic Stud. Journal of Indo-Judaic Studies (1206-9930)
J. Indust. Hist Journal of Industrial History (1463-6174)
J. Inst. Romance Stud. Journal of the Institute of Romance Studies
J. Interdis. Hist. Journal of Interdisciplinary History (0022-1953)
**J. Japan. Stud.* Journal of Japanese Studies
J. Latin Amer. Stud. Journal of Latin American Studies
J. Med. & Phil. Journal of Medicine and Philosophy (0360-5310)
J. Med. Biogr. Journal of Medical Biography (0967-7720)
J. Med. Latin Journal of Medieval Latin (0778-9750)
J. Med. Primat. Journal of Medical Primatology
J. Medieval Early Mod. Stud. Journal of Medieval and Early Modern Studies (1082-9636)
J. Medieval Hist. Journal of Medieval History (0304-4181)
**J. Mil. Hist.* Journal of Military History
J. Miss. Hist. Journal of Mississippi History (0022-2771)
J. Mod. Hist. Journal of Modern History (0022-2801)
J. Music Theory Journal of Music Theory
**J. Near East. Stud.* Journal of Near Eastern Studies
J. Pac. Hist. Journal of Pacific History (0022-3344)
J. Phil. Journal of Philosophy
J. Phil. Res. Journal of Philosophical Research
J. Policy Hist. Journal of Policy History
J. Psychohist. Journal of Psychohistory
J. Relig. Journal of Religion
J. Roman Archaeol. Journal of Roman Archaeology
J. Roman Stud. Journal of Roman Studies
J. Roy. Astron. Soc. Can. Journal of the Royal Astronomical Society of Canada
J. Roy. Austral. Hist. Soc. Journal of the Royal Australian Historical Society
J. Roy. Coll. Gen. Pract. Journal of the Royal College of General Practitioners
J. Roy. Coll. Phys. London Journal of the Royal College of Physicians of London
J. Roy. Soc. Antiquar. Ireland Journal of the Royal Society of Antiquaries of Ireland
J. Savants Journal des Savants
**J. Siam Soc.* Journal of the Siam Society
J. Soc. Architect. Hist. Journal of the Society of Architectural Historians
J. Soc. Hist. Journal of Social History
**J. South. African Stud.* Journal of Southern African Studies
**J. South. Hist.* Journal of Southern History
**J. Southeast Asian Stud.* Journal of Southeast Asian Studies
**J. Stat. Phys.* Journal of Statistical Physics
**J. Transdisc. Res. South. Africa* The Journal for Transdisciplinary Research in Southern Africa (1817-4434)
J. Transp. Hist. Journal of Transport History
J. Urban Hist. Journal of Urban History
J. Victorian Cult. Journal of Victorian Culture
J. Warburg Courtauld Inst. Journal of the Warburg and Courtauld Institutes (0075-4390)

J. Washington Acad. Sci. Journal of the Washington Academy of Sciences (0043-0439)

J. Women's Hist. Journal of Women's History

**J. World Hist.* Journal of World History (1045-6007)

Jaarb. Vooraziat.-Egypt. Genootsch. Jaarbericht van het Vooraziatisch-Egyptisch Genootschaap "Ex Oriente Lux"

Jahr. österreichischen Byzant. Jahrbuch der österreichischen Byzantinistik (0378-8660)

**Jahrb. Eur. Wissenschaftskult.* Jahrbuch für Europäische Wissenschaftskultur (1860-7837)

Jahrb. Freien Deut. Hochstifts Jahrbuch des Freien Deutschen Hochstifts

Jahrb. Gesch. Mittel- Ostdeut. Jahrbuch für die Geschichte Mittel- und Ostdeutchlands

Jahrb. Gesch. Osteur. Jahrbücher für Geschichte Osteuropas (0021-4019)

Jahrb. Gesch. Theor. Biol. Jahrbuch für Geschichte und Theorie der Biologie (0944-3266)

Jahrb. Soziologiegesch. Jahrbuch für Soziologiegeschichte

Jahrb. Universitatsgesch. Jahrbuch für Universitätsgeschichte (1435-1358)

Jahrb. Wiener Goethe Ver. Jahrbuch des Wiener Goethe-Verein

Jahresber. Deut. Math. Ver. Jahresberichte der Deutschen Mathematiker-Vereinigung

**JAMA* JAMA (0098-7484)

Janus Janus (0021-4264)

Jap. Stud. Hist. Sci. Japanese Studies in the History of Science (0090-0176)

JASIST Journal of the American Society for Information Science and Technology (0002-8231)

**Jewish Hist.* Jewish History

**Jewish Quart. Rev.* The Jewish Quarterly Review

**Jewish Soc. Stud.* Jewish Social Studies: History, Culture, and Society

Jindaishi yanjiuso jikan Jindaishi yanjiuso jikan (Bulletin of the Institute of Modern History, Academia Sinica) (1029-4740)

*Journal of the Guilded Age and Progressive Era

Journal x Journal x: A Journal in Culture and Criticism

Kagakugijutsushi Kagakugijutsushi (The Japanese Journal for the History of Science and Technology)

**Kagakushi Ken. (Chem.)* Kagakushi Kenkyu (History of Chemistry) (0386-9512)

Kagakusi Ken. (Hist. Sci.) Kagakusi Kenkyu (History of Science) (0022-7692)

Kairós Revista Kairós (1516-2567)

**Kansas Hist.* Kansas History: A Journal of the Central Plains

Kant Stud. Kant-Studien

Keji yiliao yu shihui Keji yiliao yu shihui (Taiwanese Journal for the Study of Science, Technology and Medicine)

**Kexue Jishu yu Bianzhengfa* Kexue Jishu yu Bianzhengfa (Science, Technology, and Dialectics) (1003-5680)

**Kiva* Kiva: The Journal of Southwestern Anthropology and History

KLIO Klio (0075-6334)

Knowl. Soc. Knowledge and Society: The Anthropology of Science and Technology

Knowl. Tech. Policy Knowledge, Technology, and Policy (0897-1986)

Knowledge Knowledge: Creation, Diffusion, Utilization

**Korea J.* Korea Journal

**Korea Obser.* Korea Observer

Korot Korot (0023-4109)

Kritika Kritika: Explorations in Russian and Eurasian History

Kult. Tech. Kultur & Technik: Zeitschrift des Deutschen Museums

Kwart. Hist. Nauk. Tech. Kwartalnik Historii Nauki i Techniki (0023-589X)

**Latin Amer. Res. Rev.* Latin American Research Review

Latomus Latomus: Revue d'Études Latines

Laval Théol. Phil. Laval Théologique et Philosophique

Le Moy. Age Le Moyen âge (0027-2841)

Leonardo Leonardo (0024-094X)

Lessing Yearbk. Lessing Yearbook

Lett. Ital. Lettere Italiane

Leviathan Leviathan: Zeitschrift für Sozialwissenschaft

Lex. Phil. Lexicon Philosophicurn: Quaderni di Terminologia Filosofica e Storia delle ldee

Lias Lias: Sources and Documents Relating to the Early Modern History of Ideas

Library Library: Transactions of the Bibliographical Society, London

Lichtenberg-Jahrb. Lichtenberg-Jahrbuch

Linnean The Linnean: Newsletter and Proceedings of the Linnean Society of London

**Lishi yuyan yanjiuso jikan* Lishi yuyan yanjiuso jikan (Bulletin of the Institute of History and Philology, Academia Sinica) (1012-4195)

**Llull* Llull (0210-8615)

Local Hist. The Local Historian

Locke Newslett. The Locke Newsletter

*Logos (0868-7692)

London J. London Journal

**Louisiana Hist.* Louisiana History

Ludus Vitalis Ludus Vitalis: Revista de Filosofía de las Ciencias de la Vida

**Lychnos* Lychnos (0076-1648)

Majallat Kulliyat al-Adab wa-al-'Ulum al-Insaniyah Majallat Kulliyat al-Adab wa-al-'Ulum al-Insaniyah (0258-1132)

*Manchester Region History Review (0952-4320)

Manguinhos História, Ciências, Saúde (Manguinhos) (0104-5970)

Mankind Quart. Mankind Quarterly

Manuscripta Manuscripta

Manuscripta Orient. Manuscripta Orientalia (1238-5018)

Mariner's Mirror Mariner's Mirror

**Maryland Hist.* Maryland Historian

**Maryland Hist. Mag.* Maryland Historical Magazine

Mat. Disc. Anal. Testi Class. Materiali e Discussioni per l'Analisi dei Testi Classici

Math. Semesterber. Mathematische Semesterberichte

Math. Teach. Mathematics Teacher

*Mathematics Magazine

Mathesis Mathesis: Filosofía e Historia de las Matemáticas
Meas. Sci Tech. Measurement Science and Technology (0957-0233)
Med. Gesell. Gesch. Medizin, Gesellschaft, und Geschichte (0939-351X)
Med. Hist. Medical History (0025-7273)
Mediaeval Stud. Mediaeval Studies
Mediaevalia Mediaevalia: A Journal of Mediaeval Studies
Mediaevalia Phil. Polonorum Mediaevalia Philosophica Polonorum
Medieval Phil. Theol. Medieval Philosophy and Theology (1057-0608)
Medieval Prosopogr. Medieval Prosopography
Medievalia Hum. Medievalia et Humanistica: Studies in Medieval and Renaissance Culture
Medioevo Medioevo: Saggi e Ressegne
Medizinhist. J. Medizinhistorisches Journal (0025-8431)
Melbourne Hist. J. Melbourne Historical Journal
Mém. Acad. Sci. Arts Belles-Lett. Dijon Mémoires de l'Académie des Sciences, Arts et Belles-Lettres de Dijon
Mem. Accad. Sci Torino Cl. Sci. Fis. Mat. Natur. Memorie della Accademia delle Scienze di Torino, Classe di Scienze Fisiche Matematiche e Naturali
Mem. Roy. Astron. Soc. Lond. Memoirs of the Royal Astronomical Society of London
Memorandum Memorandum (1676-1669)
Mendel Newslett. Mendel Newsletter (0025-9241)
Mercury Mercury (0047-6773)
**Metascience* Metascience (0815-0796)
Meteor. Planet. Sci. Meteoritics and Planetary Science
**Mex. Stud.* Mexican Studies
MHNH MHNH (Revista Internacional de Investigación sobre Magia y Astrología Antiguas) (1578-4517)
Mich. Acad. Michigan Academician: Papers of the Michigan Academy of Science, Arts, and Letters (0026-2005)
Micrologus Micrologus (1123-2560)
**Mid. East Stud.* Middle Eastern Studies
Mid. East Stud. Assoc. Bull. Middle East Studies Association Bulletin (0026-3184)
Minerva Minerva (0026-4695)
**Ming Stud.* Ming Studies
Mining Hist. J. Mining History Journal
Misc. Marciana Miscellanea Marciana
**Missouri Hist. Rev.* Missouri Historical Review
Mitt. Berliner Gesell. Anthro. Ethn. Urgesch. Mitteilungen der Berliner Gesellschaft für Anthropologie Ethnologie und Urgeschichte (0178-7896)
Mitt. Deutsch. Math.-Vereinig. Mitteilungen der Deutschen Mathematiker-Vereinigung
Mitt. Forschungsbeitr. Cusanus Ges. Mitteilungen und Forschungsbeiträge der Cusanus- Gesellschaft
Mitt. Gauss Ges. Mitteilungen, Gauss- Gesellschaft E.V. Göttingen (0435-1452)
**Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* Mitteilungen (0934-8506)
Mitt. Naturforsclt Ges. Bern Mitteilungen der Naturforschenden Gesellschaft in Bern
Mittellatein. Jahrb. Mittellateinisches Jahrbuch: Internationale Zeitschrift für Mediavistik
MLN Modern Language Notes
Mnemosyne Mnemosyne: Bibliotheca Philologica Classica Batava
Mod. Philol. Modern Philology (0026-8232)
Mod. Schoolman Modern Schoolman
Mod. Theol. Modern Theology (0266-7177)
Modernism/Modernity Modernism/Modernity (1080-6601; 1071-6068)
**Mon. Nipp.* Monumenta Nipponica
Monatsber. Deut. Akad. Wiss. Berlin Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin
Monatshefte Monatshefte
Monist Monist: An International Quarterly Journal of General Philosophical Inquiry
Monograf. Dziejow Nauki Tech. Monografie z Dziejow Nauki i Techniki (0077-054X)
Mosaic Mosaic: Journal for the Comparative Study of Literature and Ideas
N. Y. Hist. New York History (0146-437X)
N. Y. Rev. Bks. New York Review of Books (0028-7504)
Nagoya Kogyo Daigaku gakuho Nagoya Kogyo Daigaku gakuho (0369-3171)
Natur. Soc. Thought Nature, Society, and Thought: A Journal of Dialectical and Historical Materialism
**Nature* Nature (0028-0836)
**Naturwiss. Rundsch.* Naturwissenschaftliche Rundschau (0028-1050)
Naukov. Naukovedenie
Near East. Archaeol. Near Eastern Archaeology (1094-2076)
**Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban) (Journal of Inner Mongolia Normal University [Natural Science Edition])
Neuphilolog. Mitteil. Neuphilologische Mitteilungen
Neuroscientist The Neuroscientist
Neusis Neusis
New Engl. Quart. New England Quarterly
New Ideas Psychol. New Ideas in Psychology
New Phil. New Philosophy (0028-6443)
New Scientist New Scientist (0262-4079)
New Vico Stud. New Vico Studies
News HOPOS Newsletter of HOPOS (1544-9912 (formerly 1527-9332))
Nineteenth-Cent. Prose Nineteenth-Century Prose
Nineteenth-Cent. Stud. Nineteenth-Century Studies (0893-7931)
*Noesis (1223-4249)
Nord. Mat. Tidsskr. Nordisk Matematisk Tidsskrift
North Carolina Hist. Rev. North Carolina Historical Review (0029-2494)
North. Hist. Northern History (0078-172X)
Northeastern Geology
**Notes Rec. Roy. Soc. Lond.* Notes and Records of the Royal Society (0035-9149)
*Notre Dame Philosophical Reviews (1538-1617)
Nous Nous
Nouv. Républ. Lett. Nouvelles de la République des Lettres

Nova Acta Paracelsica Nova Acta Paracelsica: Jahrbuch der Schweizerischen Paracelsus-Gesellschaft
Novaia Noveish. Ist. Novaia i noveishaia istoriia
**NTM* NTM (0036-6978)
**Nuncius* Nuncius (0394-7394)
**Ohio Val. Hist.* Ohio Valley History
**Oil-Indust. Hist.* Oil-Industry History
Ontario Hist. Ontario History (0030-2953)
Oregon Hist. Quart. Oregon Historical Quarterly
**Organon* Organon (0078-6500)
Orientalia Orientalia (Pontificum Institutum Biblicum)
Osiris Osiris (0369-7827)
Österreich. Z. Geschichtswiss. Österreichische Zeitschrift für Geschichtswissenschaften
**Osteuropa* Osteuropa (0030-6428)
Otechest. Ist. Otechestvennaia istoriia
Oumei Yenjiu Oumei Yenjiu (Euro-American Studies)
Oxford Stud. Ancient Phil. Oxford Studies in Ancient Philosophy
**Pacific Hist. Rev.* Pacific Historical Review
Pacific Northwest Quart. Pacific Northwest Quarterly (0030-8803)
Pacific Sci. Pacific Science
Pacific. Phil. Quart. Pacific Philosophical Quarterly
Pagine Stor. Med. Pagine di Storia della Medicina
**Pales. Explor. Quart.* Palestine Exploration Quarterly
Pap. Brit. School Rome Papers of the British School at Rome
Partisan Rev. Partisan Review
Past & Present Past and Present (0031-2746)
Pecia Pecia: Ressources en Médiévistique
Penn. Hist. Pennsylvania History: A Journal of Mid-Atlantic Studies (0031-4528)
Penn. Mag. Hist. Biogr. Pennsylvania Magazine of History and Biography (0031-4578)
Pensée (Paris) Pensée: Recherches Marxistes, Sciences, Société, Philosophic
Peritia Peritia: Journal of the Medieval Academy of Ireland
Perspect. Biol. Med. Perspectives in Biology and Medicine (0031-5982)
**Perspect. Sci.* Perspectives on Science (1063-6145)
Perspect. Sci. Christ. Faith Perspectives on Science and Christian Faith
Pesquisa Pesquisa
Pharm. Hist. Pharmacy in History (0031-7047)
**Phil Soc. Sci.* Philosophy of the Social Sciences (0048-3931)
Phil. Forum Philosophical Forum
Phil. Geog. Philosophy and Geography (1090-3771)
Phil. Hist. Sci. Philosophy and the History of Science: A Taiwanese Journal
Phil. J. Philosophical Journal: Transactions of the Royal Philosophical Society of Glasgow
Phil. Jahrb. Philosophisches Jahrbuch
**Phil. Natur.* Philosophia Naturalis (0031-8027)
Phil. Psychiat. Psychol. Philosophy, Psychiatry, and Psychology
Phil. Psychol. Philosophical Psychology
Phil. Quart. Philosophical Quarterly
Phil. Rev. Philosophical Review
**Phil. Sci.* Philosophy of Science (0031-8248)
Phil. Soc. Crit. Philosophy and Social Criticism
Phil. Trans. Royal Soc. London Royal Society of London. Philosophical Transactions. Mathematical, Physical and Engineering Sciences (1364-503X)
Philol. Quart. Philological Quarterly
Philologus Philologus: Zeitschrift für das Klassische Altertum
Philosophy Philosophy: Journal of the British Institute of Philosophy
Phronesis Phronesis: A Journal of Ancient Philosophy
Phys. Bl. Physikalische Blätter
**Phys. Persp.* Physics in Perspective (1422-6944)
Phys. Teacher Physics Teacher
**Phys. Today* Physics Today (0031-9228)
Phys. Unserer Zeit Physik in Unserer Zeit (0031-9252)
Phys. World Physics World (0953-8585)
**Physis* Physis (0031-9414)
Planet. Space Sci. Planetary and Space Science
Platinum Metals Rev. Platinum Metals Review
Poetica Poetica: Zeitschrift für Sprach- und Literaturwissenschaft
**Poetics Today* Poetics Today: International Journal for Theory and Analysis of Literature and Communication
Polhem Polhem (0281-2142)
Polit. Life Sci. Politics and the Life Sciences
Polity Polity: The Journal of the Northeastern Political Science Association
Practitioner Practitioner
Prilozi Prilozi za istraživanje hrvatske filozofske baštine (0350-2791)
Probl. Post Comm. Problems of Post Communism
Proc. Amer Cath. Phil. Assoc. Proceedings of the American Catholic Philosophical Association
Proc. Amer. Antiq. Soc. Proceedings of the American Antiquarian Society
Proc. Amer. Phil. Soc. Proceedings of the American Philosophical Society (0003-049X)
Proc. Brit. Acad. Proceedings of the British Academy
Proc. Cumberland Geol. Soc. Proceedings of the Cumberland Geological Society
Proc. Roy. Inst. Proceedings of the Royal Institution of Great Britain
Proc. Roy. Microsc. Soc. Proceedings of the Royal Microscopical Society
Proc. Roy. Soc. Med. Proceedings of the Royal Society of Medicine
Prog. Quantum Elec. Progress in Quantum Electronics (0079-6727)
Prometheus Prometheus: Rivista Quadrimentrale di Studi Classici
Prospects Prospects: An Annual of American Cultural Studies (0361-2333)
Protist Protist (1434-4610)
PSA PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association
Psychoanal. Contemp. Thought Psychoanalysis and Contemporary Thought

Psychoanal. Hist. Psychoanalysis and History (1460-8235)
Psychoanal. Quart. Psychoanalytic Quarterly
Psychoanal. Rev. Psychoanalytic Review
Psychol. Gesch. Psychologie und Geschichte
Psychol. Med. Psychological Medicine
Psychol. Rec. Psychological Record
Public Hist. Public Historian
**Public Underst. Sci.* Public Understanding of Science (0963-6625)
Quad. Stor. Quaderni Storici
Quad. Stor. Univ. Padova Quaderni per la Storia dell'Università di Padova
Quad. Stud. Arab. Quaderni di Studi Arabi (1121-2306)
Quart. J. Roy. Astron. Soc. Quarterly Journal of the Royal Astronomical Society
Quart. Rev. Biol. Quarterly Review of Biology (0033-5770)
Quekett J. Microsc. Quekett Journal of Microscopy (0969-3823)
Quim. Nova Quimica Nova (0100-4042)
Quipu Quipu (0185-5093)
**Radic. Hist. Rev.* Radical History Review (0163-6545)
Radic. Sci. Radical Science Journal
Raec. Vinciana Raecolta Vinciana
Raison Présente Raison Présente
Raritan Raritan
Reading Room Reading Room
Rech. Diderot Encyclo. Recherches sur Diderot et sur l' Encyclopédie
Rech. Théol. Phil. Médiév. Recherches deThéologie et Philosophie Médiévales (1370-7493)
**Reinardus* Reinardus: Yearbook of the International Reynard Society (0925-4757)
**Renaiss. Quart.* Renaissance Quarterly (0034-4338)
Renaiss. Reform. Renaissance and Reformation
**Renaiss. Stud.* Renaissance Studies (0269-1213)
Rend. Circ. Matemat. Palermo Rendiconti del Circolo Matematico di Palermo (0009-725X)
Rep. Nat. Cent. Sci. Ed. Reports of the National Center for Science Education (NO)
Rep. Trans. Devonshire Assoc. Report and Transactions; Devonshire Association for the Advancement of Science, Literature, and Art
Representations Representations
Res Res: Anthropology and Aesthetics (0277-1322)
Res. Phil. Tech. Research in Philosophy and Technology (0161-7249)
Res. Policy Research Policy (0048-7333)
Res. Socio. Knowl. Sci. Art Research in Sociology of Knowledge, Sciences, and Art
Rethink. Hist. Rethinking History
Rev Étud. Juives Revue des Études Juives (0484-8616)
**Rev. Amer. Hist.* Reviews in American History (0048-7511)
Rev. Anthro. Reviews in Anthropology (0093-8157)
Rev. Belge Philol. Hist. Revue Belge de Philologie et d'Histoire
Rev. Cien. Mat. Revista Ciencias Matematicas
Rev. Engl. Stud. Review of English Studies
Rev. Étud. Grec. Revue des Études Grecques
Rev. Étud. Latines Revue des Études Latines
**Rev. Eur. Est. Latin Amer. Carib.* Revista Europea de Estudios Latino Americanos y del Caribe
Rev. Eur. Sci. Soc . Revue Européenne des Sciences Sociales
**Rev. Fernand Braudel Center* Review Fernand Braudel Center (0147-9032)
Rev. Fr. Hist. Livre Revue Française d'Histoire du Livre
Rev. Fr. Sociol. Revue Française de Sociologie
Rev. Hist. Revue Historique
**Rev. Hist. Math.* Revue d'histoire des mathématiques (1262-022X)
Rev. Hist. Méd. Hébraique Revue d'Histoire de la Medecine Hebraique (0035-2330)
Rev. Hist. Mod. Contemp. Revue d'Histoire Modeme et Contemporaine
**Rev. Hist. Pharm.* Revue d'Histoire de la Pharmacie
Rev. Hist. Relig. Revue d'Histoire des Religions
**Rev. Hist. Sci.* Revue d'Histoire des Sciences (0151-4105)
Rev. Hist. Sci. Hum. Revue d'histoire des Sciences Humaines (1622-468X)
Rev. Hist. Textes Revue d'Histoire des Textes
Rev. Indias Revista de Indias
Rev. Int. Phil. Revue International de Philosophie
Rev. Metaphys. Review of Metaphysics
Rev. Métaphys. Morale Revue de Métaphysique et de Morale
Rev. Mod. Phys. Reviews of Modem Physics
Rev. Palais Découv. Revue du Palais de la Découverte
Rev. Phil. Fr. Étrang. Revue Philosophique de la France et de l' Étranger
Rev. Phil. Louvain Revue Philosophique de Louvain
Rev. Philol. Lit. Hist. Ancien. Revue de Philologie, de Littérature et d'Histoire Anciennes
**Rev. Quest. Sci.* Revue des Questions Scientifiques (0035-2160)
Rev. Sci. et Tech. Déf. Revue Scientifique et Technique de la Défense (0994-155X)
Rev. Sci. Phil. Théol. Revue des Sciences Philosophiques el Théologiques
Rev. Soc. Brasil. Hist. Ciên. Revista da Sociedade Brasileira de Historia de Ciência (0103-7188)
Rev. Syn. Revue de Synthèse (0035-1776)
Rev. Univ. Coimbra Revista da Universidade de Coimbra
*Reviews in History (1749-8155)
Revue de la Maison Française d'Oxford (1477-3082)
Rheinisch-Westfäl. Z. Volkskunde Rheinisch-Westfälische Zeitschrift für Volkskunde
Rheinisches Mus. Philol. Rheinisches Museum für Philologie
Ric. Folklor. Ricerca Folklorica
**Rinascimento* Rinascimento: Rivista dell'Istituto Nazionale di Studi sul Rinascimento (0080-3073)
**Rittenhouse* Rittenhouse
Riv. Fil. Rivista di Filosofia
Riv. Stor. Fil. Rivista di Storia della Filosofia
Riv. Stor. Ital. Rivista storica italiana (0035-7073)
Riv. Stor. Sci. Rivista di Storia della Scienza
Romanticism Romanticism
Romantisme Romantisme: Revue du 19e Siècle

Ross. Istor. Zh. Rossiiskii Istoricheskii Zhurnal
Royal Hist. Soc. Trans. Royal Historical Society. Transactions (0080-4401)
Rural Hist. Rural History
**Russ. Hist.* Russian History (0094-288X)
**Russ. Rev.* Russian Review (0036-0341)
Russ. Stud. Hist. Russian Studies in History (1061-1983)
Russell Russell: The Journal of the Bertrand Russell Archives
S. Atl. Quart. South Atlantic Quarterly
Saber Tiempo Saber y Tiempo (0328-6584)
Saeculum Saeculum: Jahrbuch für Universalgeschichte
Sao Paulo Perspec. São Paulo em Perspectiva (0102-8839)
Sapientia Sapientia: Organo de la Facultad de Filosofia (Univ. Catholica Argentina)
Sartoniana Sartoniana
Scandanavian J. Immun. Scandanavian Journal of Immunology
Schede Mediev. Schede Medievali
*Schede Umanistiche (1122-6323)
Schweiz. Z. Gesch. Schweizerische Zeitschrift für Geschichte
**Sci. & Soc.* Science and Society (0036-8237)
Sci. Amer. Scientific American
**Sci. and Educ.* Science and Education (0926-7220)
**Sci. Canadensis* Scientia Canadensis (0829-2507)
**Sci. Commun.* Science Communication (1075-5470)
**Sci. Context* Science in Context (0269-8897)
Sci. Cult. Science as Culture (0950-5431)
Sci. Hist. Scientiarum Historia
**Sci. Poetica* Scientia Poetica: Jahrbuch für Geschichte der Literatur und der Wissenschaften
Sci. Pub. Pol. Science and Public Policy (0302-3427)
Sci. Stor. Scienze e Storia: Bollettino del Centro Internazionale di Storia dello Spazio e del Tempo
Sci. Stud. Science Studies (0786-3012)
Sci. Tech. & Soc. Science Technology and Society (0971-7218)
Sci. Tech. Hum. Val. Science, Technology and Human Values (0162-2439)
Sci. Tech. Persp. Sciences et Techniques en Perspective
**Sciamvs* Sciamvs (1345-4617)
**Science* Science (0036-8075)
Scientomet. Scientometrics (0138-9130)
Scot. Geogr. Mag. Scottish Geographical Magazine
Scriptorium Scriptorium: Revue International des Études Relative aux Manuscrits (0036-9772)
Selbstorganisation Selbstorganisation: Jahrbuch für Komplexität in den Natur-, Sozial- und Geisteswissenschaften
Seventeenth Cent. Seventeenth Century
Signs Signs: Journal of Women in Culture and Society
Signum Signum: revista da ABREM (1516-6295)
SIHSPAI SIHSPAI (1026-3977)
Singapore J. Trop. Geogr. Singapore Journal of Tropical Geography (0129-7619)
Sino-Jap. Stud. Sino-Japanese Studies (1041-8830)
Sitzungsber. Bayer. Akad. Wiss. Math. Naturwiss. Kl. Sitzungsberichte der Bayerische Akademie der Wissenschaften, Mathematisch-naturwissenschaftliche Klasse
Sitzungsber. Ges. Naturforsch. Freunde Berlin Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin
Sixteenth Cent. J. Sixteenth Century Journal (0361-0160)
Skep. Inq. Skeptical Inquirer (0194-6730)
Skeptic Skeptic (1063-9330)
Sky & Telescope Sky and Telescope (0037-6604)
Slagmark Slagmark (0108-8084)
Slav. East Europ. Rev. Slavonic and East European Review
Slav. Rev. Slavic Review (0037-6779)
Soc. Epistem. Social Epistemology (0269-1728)
**Soc. Hist.* Social History (0307-1022)
**Soc. Hist. Alcohol Drugs* The Social History of Alcohol and Drugs (1930-8418)
**Soc. Hist. Med.* Social History of Medicine (0951-631X)
Soc. Politics Social Politics
**Soc. Res.* Social Research (0037-783X)
Soc. Sci. & Med. Social Science and Medicine (0277-9536)
Soc. Sci. Hist. Social Science History
Soc. Sci. Inform. Social Science Information
Soc. Sci. Yearbk. Sociology of the Sciences (0167-2320)
Soc. Stor. Società e Storia
**Soc. Stud. Sci.* Social Studies of Science (0306-3127)
Sociol. Quart. Sociological Quarterly
Sociol. Theory Sociological Theory
Sociology Sociology (0038-0385)
*South African Journal of Science
South Asia Res. South Asia Research
South Carolina Hist. Mag. South Carolina Historical Magazine
Southern Hist. Southern History: A Review of the History of Southern England
Southwest. Hist. Quart. Southwestern Historical Quarterly (0038-478X)
Soviet Phys. Soviet Physics: Uspeki
Spectro. acta Spectrochimica acta
Speculum Speculum: Journal of Mediaeval Studies
St. John's Rev. St. John's Review (0277-4720)
Sterne Weltraum Sterne und Weltraum (0039-1263)
Stor. Storiogr. Storia della Storiografia
STS Net. Jap. Yearbk. STS Network Japan Yearbook
STTH Science, Technology, and the Humanities
Stud. 18th-Cent. Cult. Studies in Eighteenth-Century Culture
Stud. Achtzehn. Jahrh. Studien zum Achtzehnten Jahrhundert
Stud. Copernicana Studia Copernicana (0081-6701)
**Stud. Dial. Natur.* Studies in Dialectics of Nature
**Stud. Hist. Med. Sci.* Studies in History of Medicine and Science (0970-5562)
Stud. Hist. Mod. Math. Studies in the History of Modern Mathematica: Supplemento di Rendiconti del Circolo Matematico di Palermo

Stud. Hist. Phil. Biol. Biomed. Sci. Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences (1369-8486)
**Stud. Hist. Phil. Mod. Phys.* Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics (1355-2198)
**Stud. Hist. Phil. Sci.* Studies in the History and Philosophy of Science A (0039-3681)
Stud. Hist. Sci. Tech. Med. Studies in the History of Science, Technology and Medicine (1024-8048)
Stud. Leibnitiana Studia Leibnitiana
Stud. Lessico. Ital. Studi di Lessicografia Italiana
Stud. Lit. Imag. Studies in the Literary Imagination
Stud. Mater. Dziej. Nauk. Pol. Ser. E Studia i Materialy z Dziejów Nauki Polskiej. Seria E: Zagadnienia Ogólne
Stud. Mediev. Renais. Hist. Studies in Medieval and Renaissance History (0081-8224)
Stud. Medievali Studi Medievali (0391-8467)
Stud. Philol. Studies in Philology
Stud. Renaiss. Studies in the Renaissance
Stud. Romant. Studies in Romanticism
Stud. Sci. Educ. Studies in Science Education
Stud. Secent. Studi Secenteschi
Stud. Settecent. Studi Settecenteschi
Stud. Stor. Studi Storici: Rivista Trimestrale dell'Istituto Gramsci (0039-3037)
Stud. Voltaire 18th Cent. Studies on Voltaire and the Eighteenth Century
Stud. Wien. Gesch. Studien zur Wiener Geschichte: Jahrbuch des Vereins für Geschichte der Stadt Wien
**Sudhoffs Arch.* Sudhoffs Archiv (0039-4564)
Suhayl Suhayl (1576-9372)
Svenska Linnésällsk. Årssk. Svenska Linnésällskapets Årsskrift
**Synthese* Synthese (0039-7857)
Ta-lu ts'a-chih Ta-lu ts'a-chih
Taiwan shehui yanjiu jikan Taiwan shehui yanjiu jikan (Taiwan: A Radical Quarterly in Social Studies)
*Taiwan Wenxue Yanjiu Jikan
Taiwan. J. Stud. Sci. Tech. Med. Taiwanese Journal for Studies of Science, Technology, and Medicine (1022-4874)
Taiwanese J. Phil. Hist. Sci. Taiwanese Journal for the Philosophy and History of Science
Taiwanshi yenjiu Taiwanshi yenjiu (Taiwan Historical Research)
Tasanhak Tasanhak (Journal of Tasan Studies) (1598-8856(45))
Taxon Taxon (0040-0262)
**Tech. Cult.* Technology and Culture (0040-165X)
Tech. Soc. Technology in Society (0160-791X)
Technikgeschichte Technikgeschichte (0040-117X)
Tel Aviv Jahrb. Deut. Gesch. Tel Aviv Jahrbuch für Deutsche Geschichte
**Tenn. Med.* Tennessee Medicine (1088-6222)
**Tennessee Hist. Quart.* Tennessee Historical Quarterly
Terrae Incog. Terrae lncognitae Philosophy and the Intellectual Life of the Middle Ages
Theol. Stud. Theological Studies (0040-5639)
Theoria (0040-5825) Theoria (0040-5825) (0040-5825)
Theoria (0495-4548) Theoria (0495-4548) (0495-4548)
Theoria Hist. Sci. Theoria et Historia Scientiarum (0867-4159)
Theory Biosci. Theory in Biosciences (1431-7613)
Theory Cult. Soc. Theory, Culture, and Society: Explorations in Critical Social Science
**Thomist* Thomist: A Speculative Quarterly Review (0040-6325)
Tijdschr. Gesch. Tijdschrift voor Geschiedenis
Tijdschr. Stud. Verlichting Tijdschrift voor de Studie van de Verlichting
TLS TLS: Times Literary Supplement (0307-661X)
Topoi Topoi: An International Review of Philosophy
Traditio Traditio: Studies in Ancient and Medieval History, Thought, and Religion
Trans. Amer. Philol. Assoc. Transactions of the American Philological Association
Trans. C. S. Peirce Soc. Transactions of the Charles S. Peirce Society
Trans. Conn. Acad. Arts Sci. Transactions of the Connecticut Academy of Arts and Sciences
Trans. Inst. Brit. Geogr. Transactions of the Institute of British Geographers
Trans. Int. Congr. Enlightenment Transactions of the International Congress on the Enlightenment
**Trans. Newcomen Soc.* Transactions of the Newcomen Society (0372-0187)
**Trans. Roy. Hist. Soc.* Transactions of the Royal Historical Society
Trans. Royal Soc. Edinburgh Earth Sci. Transactions of the Royal Society of Edinburgh (Earth Science) (0263-5933)
Trans. Wisconsin Acad. Sci. Arts Lett. Transactions of the Wisconsin Academy of Science, Arts, and Letters
Trends Neurosci. Trends in Neurosciences
TS y S Trabajo Social y Salud (1130-2976)
Tsing-hua hsueh-pao Tsing-hua hsueh-pao (Journal of Tsing-hua University)
Twent. Cent. Brit. Hist. Twentieth Century British History (0955-2359)
Ugeskrift Læger Ugeskrift for Læger
Ugglan Ugglan (1102-4313)
Universitas Universitas: Newsletter of the International Centre for the History of Universities and Science
Utilitas Utilitas: A Journal of Utilitarian Studies (0953-8208)
Vermont Hist. Vermont History: Proceedings of the Vermont Historical Society
Vesalius Vesalius (XXVesalius)
VEST VEST: Tidskrift för Vetenskapsstudier (0283-6025)
Vestnik Arkhiv. Vestnik Arkhivista
Viator Viator: Medieval and Renaissance Studies
Vict. Lit. Cult. Victorian Literature and Culture (1060-1503)
Victorian Newsletter Victorian Newsletter
**Victorian Stud.* Victorian Studies (0042-5222)
Vie Sci. La Vie des Sciences: Comptes Rendus de l'Académie des Sciences
Vierteljahrshef. Zeitgesch. Vierteljahrshefte für Zeitgeschichte

VIET Voprosy istorii estestvoznaniia i tekhniki (0205-9606)
**Vigiliae Christianae* Vigiliae Christianae (0042-6032)
Virginia Mag. Hist. Biogr. Virginia Magazine of History and Biography (0042-6636)
Vivarium Vivarium: Journal for Mediaeval Philosophy and the Intellectual Life of the Middle Ages (0042-7543)
Vop. Fil. Voprosy filosofii (0042-8744)
Vop. Ist. Voprosy istorii (0042-8779)
Voz Coleg. Miguel Cervantes La voz del Colegio Miguel de Cervantes
War Soc. War and Society
Welfengarten Welfengarten: Jahrbuch für Essayismus
Wellcome Hist. Wellcome History
West. Hist. Quart. Western Historical Quarterly (0043-3810)
Wiener Klin. Wochenschr. Wiener Klinische Wochenschrift
Wiener Stud. Wiener Studien
**William Mary Quart.* William and Mary Quarterly (0043-5597)
Wisc. Acad. Rev. Wisconsin Academy Review
Wolfenbütteler Renaiss. Mitt. Wolfenbütteler Renaissance Mitteilungen
Wolfenbütteler Stud. Aufklärung Wolfenbütteler Studien zur Aufklärung
Women Women: A Cultural Review
Women's Hist. Rev. Women's History Review
Worldviews Worldviews (1363-5247)
Wurzburger Medizin. Mitt. Wurzburger Medizinhistorische Mitteilungen (0177-5227)
*Xinshixue (New History)
**XVIIe Siècle* XVIIe Siècle
Yale J. Biol. Med. Yale Journal of Biology and Medicine (0044-0086)
Yearbk. Res. Cent. Germ. Austrian Exile Stud. Yearbook of the Research Centre for German and Austrian Exile Studies (1388-3720)
**Yeoksa Bipyeong* Yeoksa Bipyeong (Critical Review of History)
**Yoksa Hakbo* Yoksa Hakbo (The Korean Historical Review)
Z. Kirchenges. Zeitschrift für Kirchengeschichte (0044-2925)
Z. Allg. Wissenschaftstheor. Zeitschrift für Allgemeine Wissenschaftstheorie
Z. Bayer. Landesges. Zeitschrift für Bayerische Landesgeschichte
Z. Deut. Morgenldnd. Ges. Zeitschrift der Deutschen Morgealiindischen Gesellschaft
Z. Gesam. Versicherungswis. Zeitschrift fuer die gesamte Versicherungswissenschaft
Z. Gesch. Arab.-Islam. Wiss. Zeitschrift für Geschichte der Arabisch-Islamischen Wissenschaften (0179-4639)
Z. Geschichtswiss. Zeitschrift für Geschichtswissenschaft (0044-2828)
Z. Phil. Forsch. Zeitschrift für Philosophische Forschung
Z. Relig. Geistesgesch. Zeitschrift für Religions- und Geistesgeschichte
Z. Unternehmensgescht. Zeitschrift für Unternehmensgeschichte
Zetetic Zetetic Scholar (0741-6229)
Zhongguo Keji Shiliao Zhongguo Keji Shiliao (China Historical Materials of Science and Technology) (1000-0798)
Ziran Kexueshi Yanjiu Ziran Kexueshi Yanjiu (Studies in the History of Natural Sciences) (1000-0224)
**Zygon* Zygon (0591-2385)

A. Tools for Historians of Science

1. GENERAL HISTORIES OF SCIENCE
(includes interdisciplinary topics and biographies of scientists)

1. ASH, Mitchell G. "Wissens- und Wissenschaftstransfer: Einführende Bemerkungen." Introduction to a special issue. *Ber. Wissenschaftsgesch.* 29 (2006): 181–189.

Contents: Andreas RENNER, "Wissenstransfer auf dem Prüfstand: Europäische Mediziner im Kampf gegen die Pest von Moskau 1771," 191–204 [ref. 1923]; Marianne KLEMUN, "Globaler Pflanzentransfer und seine Transferinstanzen als Kultur-, Wissens- und Wissenschaftstransfer der frühen Neuzeit," 205–223 [ref. 1587]; Carsten REINHARDT, "Wissenstransfer durch Zentrenbildung: Physikalische Methoden in der Chemie und den Biowissenschaften," 224–242 [ref. 3560]; Marita KRAUSS, " 'Gedankenaustausch über Probleme und Methoden der Forschung': Transatlantische Gastprofessoren aus Emigrantenkreisen in Westdeutschland nach 1945," 243–259 [ref. 2867].

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157. RUPHY, Stéphanie. "'Empiricism all the way down': A Defense of the Value-Neutrality of Science in Response to Helen Longino's Contextual Empiricism." *Perspect. Sci.* 14 (2006): 189–214.

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Reviews: [ref. R1196]

159. SCHINDLER, Samuel. "Rehabilitating Theory: Refusal of the 'Bottom-Up' Construction of Scientific Phenomena." *Stud. Hist. Phil. Sci.* 38 (2007): 160–184.

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162. SHERRY, David. "Mathematical Reasoning: Induction, Deduction and Beyond." *Stud. Hist. Phil. Sci.* 37 (2006): 489–504.

163. STANFORD, P. Kyle. *Exceeding Our Grasp: Science, History, and the Problem of Unconceived Alternatives.* (xiv + 234 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0195174089.

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165. UEBEL, Thomas. "Taking Philosophy of Science into the Cold." *Metascience* 15 (2006): 89–96.

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11. SOCIOLOGY OF SCIENCE; PSYCHOLOGY OF SCIENCE

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169. BONILLA, Jesús P. Zamora. "Science Studies and the Theory of Games." *Perspect. Sci.* 14 (2006): 525–557.

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175. LI Xiao-bo and ZHU Li-jun. "Sociology of science and scientific rhetoric." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 1 (2006): 47–52.

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Contents: João ARRISCADO NUNES, "Um Discurso sobre as Ciências 16 anos depois," 57–80 [ref. 130]; Richard LEE, "O destino das 'duas culturas': mais uma salva de tiros nas 'guerras da ciência,'" 81–98; Peter WAGNER, "Sobre guerras e revoluções," 99–116; Immanuel WALLERSTEIN, "As estruturas do conhecimento ou quantas formas temos nós de conhecer?" 117–123; Isabelle STENGERS, "Para além da Grande Separação, tornarmo-nos civilizados?" 125–142; Joan H. FUJIMURA, "Como conferir autoridade ao conhecimento na ciência e na antropologia," 143–171; João CARAÇA, "Um discurso sobre as ciências passadas e presentes," 173–179; Germinal COCHO, Pedro MIRAMONTES and José Luis GUTIÉRREZ, "Ciência e humanismo, capacidade criadora e alienação," 181–200; Jorge Dias de DEUS, "A minha crítica da ciência," 201–208; Roberto A. FOLLARI, "Um discourso sobre as ciências: a abertura aos tempos," 209–226; Marcos BARBOSA DE OLIVEIRA, "Desmercantilizar a tecnociência," 227–250; Stephen TOULMIN, "Como a Razão perdeu o seu equilíbrio," 253–272; Anna Carolina REGNER, "Uma nova racionalidade para a ciência?" 273–304; Miguel Baptista PEREIRA, "Precisão filosófica, científico-técnica e seus limites," 305–349; João Maria ANDRÉ, "Ciência e valores: o pluralismo axiológico da ciência e o seu valor epistémico," 351–366; Hermínio MARTINS, "Verdade, realismo e virtude," 367–395; Francisco GUTIÉRREZ SANÍN, "Limites da razão – Razão dos limites," 397–406; Carlos Alberto PLASTINO, "O quinto rombo: a psicanálise," 407–433; Hugo ZEMELMAN, "Sujeito e sentido: considerações sobre a vinculação do sujeito ao conhecimento que constrói," 435–446; Hugh LACEY, "A ciência e o bem-estar humano: para uma nova maniera de estruturar a actividade científica," 449–469; Miguel RAMALHO SANTOS, "Células estaminais como densidades autopoiéticas," 471–480; Olival FREIRE, Jr., "O debate sobre a imagem da ciencia - a propósito das idéias e da ação de E. P. Wigner," 481–506; Samuel MACDOWELL, "Concordâncias e discordâncias: comentário sobre *Um Discurso sobre as Ciências*," 507–509; João RAMALHO SANTOS, "Sobre as fronteiras," 511–528; Peter TAYLOR, "A reconstrução da complexidade ecológica sem regras: ciência, interpretação e prática reflexiva crítica," 529–551; Maria da Conceição RUIVO, "A ciência tal qual se faz ou tal qual se diz?" 553–567; José Mariano GAGO, "O exercício prático da cultura científica," 569–579; Francisco LOUÇÃ, "Modernização, modernismos e o mistério da teoria crítica na economia," 583–603; Arturo ESCOBAR, "Actores, redes e novos produtores de conhecimento: os movimentos sociais e a transição paradigmática nas ciências," 605–630; Walter D. MIGNOLO, "Os esplendores e as misérias da 'ciência': colonialidade, geopolítica do conhecimento e pluri-versalidade epistémica," 631–671; Luis Eduardo MORA-OSEJO and Orlando FALS BORDA, "A superação do Eurocentrismo. Enriquecimento do saber sistémico e endógeno sobre o nosso contexto tropical," 673–681; Maria Paula MENESES, "Agentes do conhecimento? A consultoria e a produção do conhecimento em Moçambique," 683–715; Shiv VISVANATHAN, "Convite para uma Guerra da Ciência," 717–734; Boaventura de Sousa SANTOS, "Para uma sociologia das ausências e uma sociologia das emergências," 735–775.

180. SCHMAUS, Warren. "What's So Social about Social Knowledge?" *Phil Soc. Sci.* 35 (2005): 98–125.

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184. TURNBULL, David. *Masons, Tricksters, and Cartographers: Comparative Studies in the Sociology of Scientific and Indigenous Knowledge.* Studies in the History of Science, Technology and Medicine. (x + 263 pp.; ill.; bibl.; index.) Amsterdam: Harwood Academic, 2000. ISBN: 9057024993.

12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

185. DAVIDSON, Keay. "Why Science Writers Should Forget Carl Sagan and Read Thomas Kuhn: On the Troubled Conscience of a Journalist." In *The Historiography of Contemporary Science, Technology, and Medicine*, edited by DOEL and SÖDERQVIST (2006) [ref. 54], 15–30.

186. DIJCK, José van. *The Transparent Body: A Cultural Analysis of Medical Imaging.* In vivo. (xii + 193 pp.; ill.; bibl.; index.) Seattle: University of Washington Press, 2005. ISBN: 0295984902.
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187. GOODING, David C. "Envisioning Explanations—The Art in Science." *Interdiscipl. Sci. Rev.* 29 (2004): 278–294.
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188. GROSS, Alan G. "The Verbal and the Visual in Science: A Heideggerian Perspective." *Sci. Context* 19 (2006): 443–474.

189. HARMON, Joseph E., and Alan G. GROSS. (Eds.) *The Scientific Literature: A Guided Tour.* (xxiv + 327 pp.; ill.; bibl.; maps; index.) Chicago: The University of Chicago Press, 2007. ISBN: 9780226316550.

Annotated anthology of articles from the 1650s to the present, each with commentary focusing on the article as a means of communicating science, exploring rhetorical strategies and methods of argumentation.

190. SHTEIR, Ann B., and Bernard V. LIGHTMAN. (Eds.) *Figuring It Out: Science, Gender, and Visual Culture.* Interfaces, Studies in Visual Culture. (xxx + 386 pp.; ill.; bibl.; index.) Hanover, NH: University Press of New England, 2006. ISBN: 1584656034.

Contents: Ann B. SHTEIR, "Iconographies of Flora: The Goddess of Flowers in the Cultural History of Botany," 3-27 [ref. 457]; Alan BEWELL, "A Passion that Transforms: Picturing the Early Natural History Collector," 28-53 [ref. 1829]; Joan STEIGERWALD, "Figuring Nature/Figuring the (Fe)male: The Frontispiece to Humboldt's *Ideas Towards a Geography of Plants*," 54-82 [ref. 2406]; Jonathan SMITH, "Picturing Sexual Selection: Gender and the Evolution of Ornithological Illustration in Charles Darwin's *Descent of Man*," 85-109 [ref. 2421]; Sally Gregory KOHLSTEDT, "Nature by Design: Masculinity and Animal Display in Nineteenth-Century America," 110-139 [ref. 2341]; Jennifer TUCKER, "Gender and Genre in Victorian Scientific Photography," 140-163 [ref. 1983]; James SECORD, "Scrapbook Science: Composite Caricatures in Late Georgian England," 164-191 [ref. 1981]; Barbara T. GATES, "Those Who Drew and Those Wrote: Women and Victorian Popular Science Illustration," 192-213 [ref. 1989]; Bernard LIGHTMAN, "Depicting Nature, Defining Roles: The Gender Politics of Victorian Illustration," 214-239 [ref. 2029]; Suzanne Le-May SHEFFIELD, "Gendered Collaborations: Marrying Art and Science," 240-264 [ref. 214]; Margo S. GEWURTZ, "Looking for Jean Dow: Narratives of Women and Missionary Medicine in Modern China," 267-288 [ref. 3305]; Lorraine CODE, "Images of Expertise: Women, Science, and the Politics of Representation," 289-314 [ref. 3535]; Janine MARCHESSAULT, "Men in White, Women in Aprons: Utopian Iconographies of TV Doctors," 315-336 [ref. 3752]; Annette BURFOOT, "The Fetal Voyager: Women in Modern Medical Visual Discourse," 337-357 [ref. 3727]; Naomi ADELSON, "Visible/Human/Project: Visiblity and Invisibility at the Next Anatomical Frontier," 358-376 [ref. 3717].

C. Thematic Approaches to the Study of Science

20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

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21. SCIENCE AND ETHICS

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22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

198. ASH, Mitchell G. "Wissenschaft und Politik als Ressourcen für einander—Programmatische Überlegungen am Beispiel Deutschlands." In *Wissenschaftsgeschichte heute*, edited by BÜSCHENFELD et al. (2001) [ref. 52], 117–134.

199. BUSCH, Lawrence. *The Eclipse of Morality: Science, State, and Market.* Sociological Imagination and Structural Change. (vii + 219 pp.; ill.; bibl.) New York: Aldine de Gruyter, 2000. ISBN: 0202306216; 0585485038 (ebook).

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200. CLARKE, Ellen. "Anarchy, Socialism and a Darwinian Left." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 136–150.

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else': The Inversion of Credibility between Forensic DNA Profiling and Fingerprint Evidence," 121-135; Gary EDMOND, "Judging Facts: Managing Expert Knowledges in Legal Decision-Making," 136-165; David TURNBULL, "Narrative Traditions of Space, Time and Trust in Court: Terra nullius, 'Wandering', The Yorta Yorta Native Title Claim, and The Hindmarsh Island Bridge Controversy," 166-183; David S. CAUDILL, "Ethical Dimensions of Law-Science Relations in US Courtrooms," 184-196; David MERCER and Gary EDMOND, "The Invisible Branch: The Authority of Science Studies in Expert Evidence Jurisprudence," 197-242.

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204. FAIGMAN, David L. *Laboratory of Justice: The Supreme Court's 200-Year Struggle to Integrate Science and the Law.* (xiii + 417 pp.; bibl.; index.) New York: Times Books/Henry Holt, 2004. ISBN: 0805072748.

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205. MACK, Arien. "Editor's Introduction." Special issue: "Politics and Science: How Their Interplay Results in Public Policy." *Soc. Res.* 73, no. 3 (2006): v–vi.

Contents: Gerald HOLTON, "Introduction," 733–736; Henry KELLY, "Science Policy in the United States: A Commentary on the State of the Art," 737–752; Rita R. COLWELL, "Cholera Outbreaks and Ocean Climate," 753–760 [ref. 531]; Daniel J. KEVLES, "What's New about the Politics of Science?" 761–778; Katayoun CHAMANY, "Introduction," 781–784; Eric COHEN, "The Permanent Limits of Modern Science—From Birth to Death," 785–804; M. Joycelyn ELDERS, "The Politics of Health Care," 808–818; William B. HURLBUT, "Science, Religion, and the Politics of Stem Cells," 819–834 [ref. 3746]; John S. SANTELLI, "Abstinence-Only Education: Politics, Science, and Ethics," 835–858; Neal LANE, "Politics and Science: A Series of Lessons," 861–874; Dawn RITTENHOUSE, "Introduction," 877–879; Michael OPPENHEIMER, "Science and Environmental Policy: The Role of Nongovernmental Organizations," 881–890; Steven F. HAYWARD, "Environmental Science and Public Policy," 891–914; Paul R. EHRLICH, "Environmental Science Input to Public Policy," 915–948; James E. HANSEN, "Can We Still Avoid Dangerous Human-Made Climate Change?" 949–974; Henry KELLY, "Introduction," 975–979; Martin HOFFERT, "An Energy Revolution for the Greenhouse Century," 981–1000; Paul GILMAN, "Science, Policy, and Politics: Comparing and Contrasting Issues in Energy and the Environment," 1001–1010; Kurt GOTTFRIED, "Climate Change and Nuclear Power," 1011–1024; Ira FLATOW, "Introduction," 1027–1028; Robert P. GEORGE, "Ethics, Politics, and Genetic Knowledge," 1029–1032 [ref. 470]; David GOLDSTON, "Some Thoughts on Politics and Science," 1033–1036; Rush HOLT, "Science and Citizenship," 1037–1041; Ellis RUBINSTEIN, "Translating Good Science into Good Policy: The Us Factor," 1043–1048; Philip M. SMITH, "Creating a Broader Political Center for Science and Policy," 1049–1056; Ruth WOODEN, "The Principles of Public Engagement: At the Nexus of Science, Public Policy Influence, and Citizen Education," 1057–1063.

206. MEYER, Hans Joachim. "Wem gehört der Punkt des Archimedes? Zum Verhältnis von wissenschaftlicher Freiheit und politischer Verantwortung Öffentlicher Abendvortrag am 20. Juni 2003." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 223–235.

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208. VANDERBURG, Willem H. "Technology and the Law: Who Rules?" *Bull. Sci. Tech. Soc.* 27 (2007): 322–332.

209. WAGNER, Wendy, and Rena STEINZOR. (Eds.) *Rescuing Science from Politics: Regulation and the Distortion of Scientific Research.* (xxiii + 304 pp.; ill.; index.) New York: Cambridge University Press, 2006. ISBN: 0521855209.

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23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

210. CARTWRIGHT, John H., and Brian BAKER. *Literature and Science: Social Impact and Interaction.* Science and Society. (xxi + 471 pp.; ill.; bibl.; index.) Santa Barbara, CA: ABC-CLIO, 2005. ISBN: 185109458X.

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212. HILDEBRAND, Reinhard. "Alternative Images: Anatomical Illustration and the Conflict between Art and Science." *Interdiscipl. Sci. Rev.* 29 (2004): 295–311.

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213. MOORE, Rick Clifton. "Ambivalence to Technology in Jeunet's Le Fabuleux Destin d'Amélie Poulain." *Bull. Sci. Tech. Soc.* 26 (2006): 9–19.

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STIVERS, "Technology and Terrorism in the Movie *Brazil*," 20–22; J. M. van der LAAN, "Machines and Human Beings in the Movies," 31–37.

214. SHEFFIELD, Suzanne Le-May. "Gendered Collaborations: Marrying Art and Science." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 240–264.

215. SHEPHERD-BARR, Kirsten. *Science on Stage: From* Doctor Faustus *to* Copenhagen. (vii + 271 pp.; ill.; bibl.; index.) Princeton: Princeton University Press, 2006. ISBN: 0691121508.

216. ZAUGG, Doris. *Musik und Pharmazie: Apotheker und Arzneimittel in der Oper.* Veröffentlichungen der Schweizerischen Gesellschaft für Geschichte der Pharmazie, 20. (471 pp.; ill.) Liebefeld: SGGP, Schweizerische Gesellschaft für Geschichte der Pharmazie, 2001. ISBN: 3952075876.
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26. SCIENCE AND RACE; SCIENCE AND ETHNICITY

(for eugenics, see 135-Human biology and 150-Medicine)

217. BILES, John Walter. "Race before Darwin." *Diss. Abstr. Int. A* 67/04 (2006).
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218. WASHINGTON, Harriet A. *Medical Apartheid: The Dark History of Medical Experimentation on Black Americans from Colonial Times to the Present.* (x + 501 pp.; ill.; index; bibl.) New York: Doubleday, 2006. ISBN: 0385509936.

27. SCIENCE AND GENDER

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220. POTTER, Elizabeth, Moira HOWES, Nancy MCHUGH, Catherine HUNDLEBY, and Sharyn CLOUGH. "On the Very Idea of a Feminist Epistemology for Science." *Metascience* 15 (2006): 1–37.
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221. WATTS, Ruth. "Science and Women in the History of Education: Expanding the Archive." *Hist. Educ.* 32 (2003): 189–199.

28. SCIENCE AND RELIGION

222. AYALA, Francisco J. "Evolution vs. Creationism." *Hist. Phil. Life Sci.* 28 (2006): 71–82.
Essay review of Eugenie C. SCOTT, *Evolution* vs. *Creation* (2004).

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29. SCIENCE AND WAR

236. BLACKMORE, Tim. "Cyclic Gun–Human Evolution: Soldiers, Guns, Machine Logic, and the Future." *Bull. Sci. Tech. Soc.* 26 (2006): 363–369.

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D. Aspects of Scientific Practice and Organization

40. SCIENTIFIC INSTITUTIONS
(includes awards and prizes)

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Contributors: Judith OSTROWITZ; Elizabeth ARCHULETA; Akim D. REINHARDT; Beverly R. SINGER; Anya MONTIEL; Joshua Don HINSON; J. Kēhaulani KAUANUI; Tina KUCKKAHN; James LUJAN; Burke A. HENDRIX; Benedict J. COLOMBI; Barbara PERRY; Linda ROBYN; James BELL; Nicole LIM; David STIRRUP; Kimberly ANDREWS; Jay F. CUSTER; Patricia J. VICKERS.

240. DAY, Peter. *Nature Not Mocked: Places, People and Science.* (x + 262 pp.; ill.; bibl.; index.) London: Imperial College Press, 2005. ISBN: 1860945767.
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241. MICHELSON, Evan S. "The Transformation of African Academies of Science: The Evolution of New Institutions." *Bull. Sci. Tech. Soc.* 26 (2006): 419–429.
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242. PARKS, James M. "Unintended Consequences of Oil Company Research Laboratories." *Oil-Indust. Hist.* 4 (2003): 32–41.

41. SCIENTIFIC INSTRUMENTS
(includes science of measurement)

243. ANDERSON, R. G. W. "Instruments and Apparatus." In *Chemical History*, edited by RUSSELL and ROBERTS (2005) [ref. 347], 215–229.

244. BIGG, Charlotte, and Klaus STAUBERMANN. "Introduction to Special Section." Special section: "Published Papers of the International Union of the History and Philosophy of Science workshop on 'Spectroscope Histories', in association with the Scientific Instrument Commission." *Nuncius* 18 (2003): 737–739.
Contents: Jochen HENNIG, "Bunsen, Kirchhoff, Steinheil and the Elaboration of Analytical Spectroscopy," 741–754 [ref. 2059]; Klaus STAUBERMANN, "Investigating Vision and the Reversion Spectroscope: Early Astronomical Colour Studies in Experimental Psychology," 755–764 [ref. 2486]; Charlotte BIGG, "Spectroscopic Metrologies," 765–777 [ref. 2056]; Richard STALEY, "The Interferometer and the Spectroscope: Michelson's Standards and the Spectroscopic Community," 779–801 [ref. 2065]; Sean F. JOHNSTON, "An Unconvincing Transformation? Michelson's Interferential Spectroscopy," 803–823 [ref. 2061]; Anna M. LOMBARDI, "The Bolometer and the Spectro-Bolometer as Steps Towards the Black-Body Spectrum," 825–840 [ref. 2192]; Eva A. MAYRING, "Sources for the History of Spectroscopy at the Deutsches Museum," 841–852 [ref. 247].

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42. SCIENCE EDUCATION
(includes history of educational institutions)

249. BRENNER, Anastasios. "Présentation." Introduction to special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République." *Rev. Hist. Sci.* 58 (2005): 305–310.
Contents: Bernadette BENSAUDE-VINCENT, "Paul Langevin : L'histoire des sciences comme remède à tout dogmatisme," 311–327 [ref. 2876]; Annie PETIT, "L'enseignement positiviste : Auxilaire ou obstacle pour l'histoire des sciences ?" 329–365 [ref. 79]; Jean-François BRAUNSTEIN, "Daremberg et les débuts de l'histoire de la médecine en France," 367–387 [ref. 67]; Nicole HULIN, "Histoire des sciences et enseignement scientifique au lycée sous la Troisième République," 389–405 [ref. 2077]; Robert LOCQUENEUX, "L'intérêt de l'histoire de la physique pour la formation des physiciens selon Henri Bouasse," 407–431 [ref. 2079]; Anastasios BRENNER, "Réconcilier les sciences et les lettres : Le rôle de l'histoire des sciences selon Paul Tannery, Gaston Milhaud et Abel Rey," 433–454 [ref. 68].

250. BREZINKA, Wolfgang. *Pädagogik in Österreich: Die Geschichte des Faches an den Universitäten vom 18. bis zum Ende des 20. Jahrhunderts. Vol 2: Pädagogik an den Universitäten Prag, Graz und Innsbruck.* (xiv + 1023 pp.; ill.) Wien: Verlag

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252. FRIEDMAN, Ami J. "Biological Classification Historical Case Studies: Fostering High School Students' Conceptions of the Nature of Science." *Diss. Abstr. Int. A* 67/05 (2006): 1684.

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43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

253. ECKART, Wolfgang U. "Blender, Täuscher, Scharlatane–Betrug in den Wissenschaften: Einführung in das Symposium." *Ber. Wissenschaftsgesch.* 27 (2004): 89–97.

Discusses fraud in the sciences in different fields and various periods.

254. ENGLANDER, Karen. "Non-Native English-Speaking Scientists' Successful Revision for English-Language Publication: A Discourse Analytic and Social Constructivist Study." *Diss. Abstr. Int. A* 67/02 (2006): 538.

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255. LYNN, Freda B. "Quality Uncertainty and Professional Status: A Study of Mathematicians and Economists." *Diss. Abstr. Int. A* 67/02 (2006): 728.

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256. SCHEIDING, Thomas David. "Paying to Publish: Using the Author Charge to Fund the Scholarly Journal." *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at the University of Notre Dame, 2006. Adviser: Mirowski, Philip E. UMI pub. no. 3214137. 310 pp.

257. STREVENS, Michael. "The Role of the Matthew Effect in Science." *Stud. Hist. Phil. Sci.* 37 (2006): 159–170.

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E. Disciplinary Classification

101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

259. TOSH, Nick. "Possession, Exorcism and Psychoanalysis." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 583–596.

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102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

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261. FULLER, Steve. "The Philosophical Buck Stops Here." *Phil Soc. Sci.* 36 (2006): 355–366.

Essay review of George A. REISCH, *How the Cold War Transformed Philosophy of Science* (2005).

262. HADOT, Pierre. *The Veil of Isis: An Essay on the History of the Idea of Nature.* Translated from the French by Michael CHASE. (xii + 399 pp.; ill.; index; bibl.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2006. ISBN: 0674023161.

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263. MOOIJ, J. J. A. *Time and Mind: The History of a Philosophical Problem.* Translated from the Dutch by Peter MASON. Brill's Studies in Intellectual History, 129. (xi + 287 pp.; bibl.; index.) Leiden; Boston: Brill, 2005. ISBN: 9004141529.

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264. NÄPINEN, Leo. "The Need for the Historical Understanding of Nature in Physics and Chemistry." *Found. Chem.* 9 (2007): 65–84.

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265. OLAUSSON, Lennart. Essay review. *Lychnos* (2003): 285–289.

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266. PERRY, John. *Knowledge, Possibility, and Consciousness.* (xvi + 221 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2001. ISBN: 0262161990.

267. PULTE, Helmut. *Axiomatik und Empirie: Eine wissenschaftstheoriegeschichtliche Untersuchung zur Mathematischen Naturphilosophie von Newton bis Neumann.* Edition Universität. (502 pp.; ill.) Darmstadt: Wissenschaftliche Buchgesellschaft, 2005. ISBN: 3534158946.

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Reviews: [ref. R1119]

269. RIVERA-GARCIA, Nelson. "The Earth Is Our Home: Mary Midgley's Critique and Reconstruction of Evolution and Its Meanings." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at Temple University, 2006. Adviser: Blankinship, Khalid Y. Pub. no. AAT 3233468. 239 pp.

103. MATHEMATICS

270. ACERBI, Fabio. "Archimedes and the Angel: Phantom Paths from Problems to Equations." *Aestimatio* 2 (2005): 169–226.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2005-12-04_Acerbi.pdf`. Extended critical essay review. Essay review of Reviel NETZ, *Transformation of Mathematics in the Early Mediterranean World* (2004).

271. ALEXANDER, Amir R. "Introduction." Focus: "Mathematical Stories." *Isis* 97 (2006): 678–682.

Contents: Mary TERRALL, "Mathematics in Narratives of Geodetic Expeditions," 683–699 [ref. 1804]; Joan L. RICHARDS, "Historical Mathematics in the French Eighteenth Century," 700–713 [ref. 1740]; Amir R. ALEXANDER, "Tragic Mathematics: Romantic Narratives and the Refounding of Mathematics in the Early Nineteenth Century," 714–726 [ref. 2102].

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273. BOUVERESSE, Jacques. "Mathématiques et logique chez Leibniz." Part of a special section: "Mathématiques et physique leibniziennes, 1*re* partie" [ref. 1468]. *Rev. Hist. Sci.* 54 (2001): 223–246.

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276. CAVEING, Maurice. *Le problème des objets dans la pensée mathématique.* Problèmes et controverses. (286 pp.) Paris: Vrin, 2004. ISBN: 2711616282.

277. CIFOLETTI, Giovanna. "Mathematics and Rhetoric: Introduction." Introduction to a special issue: "Mathematics and Rhetoric." *Early Sci. Med.* 11 (2006): 369–389.

Giovanna CIFOLETTI, "From Valla to Viète: The Rhetorical Reform of Logic and Its Use in Early Modern Algebra," 390–423 [ref. 1219]; Christia MERCER, "Leibniz on Mathematics, Methodology, and the Good: A Reconsideration of the Place of Mathematics in Leibniz's Philosophy," 424–454 [ref. 1481]; Éric BRIAN, "Combinaisons et disposition. Langue universelle et géométrie de situation chez Condorcet (1793-1794)," 455–477 [ref. 1728].

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280. DERBYSHIRE, John. *Unknown Quantity: A Real and Imaginary History of Algebra.* (viii + 374 pp.; ill.; bibl.; index.) Washington, D.C.: Joseph Henry Press, 2006. ISBN: 030909657X.

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281. EKELAND, Ivar. *The Best of All Possible Worlds: Mathematics and Destiny.* (207 pp.; bibl.; index; ill.) Chicago: University of Chicago Press, 2006. ISBN: 0226199940.

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282. GANEA, Mihai. "Foundations of Arithmetical Knowledge." *Diss. Abstr. Int. A* 67/05 (2006): 1757.

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284. GUO Gui-chun and SONG Shang-wei. "Research into the origin of probability theory." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 2 (2006): 89–93.

285. HEATHCOTE, Adrian. "An Imaginary Universe." *Metascience* 14 (2005): 179–184.

Essay review of Barry MAZUR, *Imagining Numbers (Particularly the Square Root of Minus Fifteen)* (2003) [ref. 289].

286. HERREMAN, Alain. *La topologie et ses signes: Éléments pour une histoire sémiotique des mathématiques.* (348 pp.; ill.) Paris: Harmattan, 2000. ISBN: 2738489451.

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287. MAOR, Eli. *The Pythagorean Theorem: A 4,000-Year History.* (xvi + 259 pp.; ill.; maps; bibl.; index.) Princeton: Princeton University Press, 2007. ISBN: 9780691125268.

288. MARTÍNEZ-TORREGROSA, Joaquín, Rafael LÓPEZ-GAY, and Albert GRAS-MARTÍ. "Mathematics in Physics Education: Scanning Historical Evolution of the Differential to Find a More Appropriate Model for Teaching Differential Calculus in Physics." *Sci. and Educ.* 15 (2006): 447–462.

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289. MAZUR, Barry. *Imagining Numbers (Particularly the Square Root of Minus Fifteen).* (xvi + 270 pp.; bibl.; index.) New York: Farrar Straus Giroux, 2003. ISBN: 0374174695.

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Reviews: [ref. 285]

290. MESCHINI, Diego, Markku LEHTO, and Johanna PIILONEN. "Geometry, Pregeometry and Beyond." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 435–464.

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Contents: Ian MUELLER, "Remarks on Euclid's *Elements* I, 32 and the Parallel Postulate," 287–297 [ref. 965]; Christian Marinus TAISBAK, "Exceeding and Falling Short: Elliptical and Hyperbolical Application of Areas," 299–318 [ref. 973]; Ido YAVETZ, "On Simplicius' Testimony Regarding Eudoxan Lunar Theory," 319–329 [ref. 991]; Ken SAITO, "Phantom Theories of Pre-Eudoxean Proportion," 331–347 [ref. 968]; Michael FRIED, "The Use of Analogy in Book VII of Apollonius' *Conica*," 349–365 [ref. 958]; Annette IMHAUSEN, "Egyptian Mathematical Texts and Their Contexts," 367–389 [ref. 887]; Alain BERNARD, "An-

cient Rhetoric and Greek Mathematics: A Response to a Modern Historiographical Dilemma," 391–412 [ref. 957]; Karine CHEMLA, "Generality above Abstraction: The General Expressed in Terms of the Paradigmatic in Mathematics in Ancient China," 413–458 [ref. 739].

292. SCHUBRING, Gert. "Production mathématique, enseignement et communication : Remarques sur la note de Bruno Belhoste, 'Pour une réévaluation du rôle de l'enseignement dans l'histoire des mathématiques' parue dans la RHM 4 (1998), p. 289-304." *Rev. Hist. Math.* 7 (2001): 295–305.

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110. ASTRONOMY AND COSMOLOGY

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295. HOSKIN, Michael. "Novae and Variables before the Spectroscope." *J. Hist. Astron.* 38 (2007): 365–379.

296. JAGER, Cornelis de. "Development of Ideas about the Origin of the Universe." *Eur. Rev.* 14 (2006): 303–311.

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298. SCHOPPER, Herwig. "Die Einheit von Micro- und Makrokosmos: Quantität und Qualität in der Physik." In *Wissenschaft zwischen Qualitas und Quantitas*, edited by NEUENSCHWANDER (2003) [ref. 155], 173–204.

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111. ASTROLOGY

301. OESTMANN, Günther, H. Darrel RUTKIN, and Kocku von STUCKRAD. (Eds.) *Horoscopes and Public Spheres: Essays on the History of Astrology.* Religion and Society, 42. (viii + 290 pp.; ill.; bibl.; index.) New York: Walter de Gruyter, 2005. ISBN: 3110185458.
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Reviews: [ref. R1029]

112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

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304. DECAEN, Christopher A . "Aristotle's Aether and Contemporary Science." *Thomist* 68 (2004): 375–429.

305. FRANKLIN, Allan. *No Easy Answers: Science and the Pursuit of Knowledge.* (xii + 258 pp.; ill.; bibl.; index.) Pittsburgh: University of Pittsburgh Press, 2005. ISBN: 082294250X.
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Reviews: [ref. R446]

306. GUIMARÃES, Alberto Passos. *From Lodestone to Supermagnets: Understanding Magnetic Phenomena.* (xi + 236 pp.; ill.; bibl.; index.) Weinheim: Wiley-VCH, 2005. ISBN: 3527405577.
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physics in Einstein's special theory of relativity." (from the abstract)

312. JOHNSTON, Sean F. "The Physical Tourist Physics in Glasgow: A Heritage Tour." *Phys. Persp.* 8 (2006): 451–465.

313. KLÄHN, Bernd. "Fresnel's Particular Waves: Models of Light as Catalytic Modes of Worldmaking in Early Modern Times." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 157–170.

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314. KOVÁCS, László, Sr. "The Physical Tourist: Budapest: A Random Walk in Science and Culture." *Phys. Persp.* 5 (2003): 310–348.

On sites of historical significance in physics in Budapest.

315. KUBBINGA, Henk. *De molecularisering van het wereldbeeld.* (2 vols.; xxxv + 1034 pp.; ill.; bibl.; index.) Hilversum: Verloren, 2005. ISBN: 9065507310; 9065507339.

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Reviews: [ref. R777]

316. MCCABE, Gordon. "Universe Creation on a Computer." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 591–625.

317. MCLAUGHLIN, Thomas. "Local Motion and the Principle of Inertia: Aquinas, Newtonian Physics and Relativity." *Int. Phil. Quart.* 44 (2004): 239–264.

318. MCLAUGHLIN, Thomas J. "The Aristotelian Definition of Motion and the Principle of Inertia." *Diss. Abstr. Int. A* 67/05 (2006): 1759.

Dissertation at University of St. Thomas, 2001. Adviser: Knasas, John F. X. UMI pub. no. 3221865. 600 pp. "This dissertation argues that Newton's First Law of Motion...is compatible with the Aristotelian definition of motion accepted by St. Thomas Aquinas and with the mover causality principle." (from the abstract)

319. MOURIER, Georges. *Les ondes en physique : de Pythagore à nos jours : vibrations, ondes, impulsions.* (190 pp.) Paris: Ellipses Édition Marketing, 2002. ISBN: 2729811508.

Reviews: [ref. R981]

320. NEWTON, Roger G. *From Clockwork to Crapshoot: A History of Physics.* (viii + 340 pp.; ill.; maps; bibl.; index.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2007. ISBN: 0674023374.

Reviews: [ref. R1009]

321. PALMIERI, Paolo. Essay review. *Aestimatio* 2 (2005): 84–88.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2005-08-01_Palmieri.pdf`. Essay review of Monica UGAGLIA, *Modelli idrostatici del moto da Aristotele a Galileo* (2004) [ref. 330].

322. PITTS, J. Brian. "Absolute Objects and Counterexamples: Jones-Geroch Dust, Torretti Constant Curvature, Tetrad-Spinor, and Scalar Density." *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 347–371.

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324. SCHREIER, Wolfgang. (Ed.) *Geschichte der Physik.* Edition: 3. Aufl. (446 pp.; ill.; bibl.) Diepholz: Verlag für Geschichte der Naturwiss. und der Technik, 2002. ISBN: 3928186620.

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328. TEICHMANN, Jürgen, Michael ECKERT, and Stefan WOLFF. "Physicists and Physics in Munich." *Phys. Persp.* 4 (2002): 333–359.

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329. UFFINK, Jos. "Introduction." Introduction to special issue: "Philosophical and Foundational Issues in Statistical Physics." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 219–223.

Contents: Robert W. BATTERMAN, "Critical Phenomena and Breaking Drops: Infinite Idealizations in Physics," 225–244; D. A. LAVIS, "Boltzmann and Gibbs: An Attempted Reconciliation," 245–273 [ref. 2189]; Michele CAMPISI, "On the Mechanical Foundations of Thermodynamics: The Generalized Helmholtz Theorem," 275–290 [ref. 2164]; Rafael D. SORKIN, "Ten Theses on Black Hole Entropy," 291–301; Gérard G. EMCH, "Probabilistic Issues in Statistical Mechanics," 303–322; Roger BALIAN, "Information in Statistical Physics," 323–353; O. J. E. MARONEY, "The (Absence of a) Relationship between Thermodynamic and Logical Reversibility," 355–374; John D. NORTON, "Eaters of the Lotus: Landauer's Principle and the Return of Maxwell's Demon," 375–411.

330. UGAGLIA, Monica. *Modelli idrostatici del moto da Aristotele a Galileo.* Quaderni SEFIR, 4. (273 pp.; index.) Roma: Lateran University Press, 2004. ISBN: 8846502779.

Reviews: [ref. 321]

113. CHEMISTRY

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Reviews: [ref. R53]

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333. BERTOMEU SÁNCHEZ, José Ramón. "La revolución química: entre la historia y la memoria." *Dynamis* 26 (2006): 307–322.
Essay review of Jonathan SIMON, *Chemistry, Pharmacy and Revolution in France, 1777–1809* (2005); Marco BERETTA (ed.), *Lavoisier in Perspective* (2005); David Phillip MILLER, *Discovering Water* (2004); Mi Gyung KIM, *Affinity, That Elusive Dream* (2003).

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Reviews: [ref. R166]

335. CENTRE DE RECHERCHE EN HISTOIRE DES SCIENCES ET DES TECHNIQUE, and Association des Amis du Patrimoine Poudrier et Pyrotechnique. *Troisièmes journees scientifiques Paul Vieille : Instrumentation, expérimentation et expertise des matériaux énergétiques (poudres, explosifs et pyrotechnie), du XVIe siècle à nos jours.* (327 pp.; ill.) Paris: Cité des sciences et de l'industrie, 2000.
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336. DEBUS, Allen G. (Ed.) *Alchemy and Early Modern Chemistry: Papers from Ambix.* (xv + 543 pp.; ill.; bibl.) London: Jeremy Mills Publishing for the Society for the History of Alchemy and Chemistry, 2004. ISBN: 0954648412.
Reviews: [ref. R335]

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Collection of previously published essays.
Reviews: [ref. R336]

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339. FRUTON, Joseph S. *Fermentation: Vital or Chemical Process?* History of Science and Medicine Library, 1. (xv + 141 pp.; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9789004152687.

340. GREENFIELD, Amy Butler. *A Perfect Red: Empire, Espionage, and the Quest for the Color of Desire.* (viii + 338 pp.; ill.; bibl.; index.) New York: HarperCollins, 2005. ISBN: 0060522755.
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Reviews: [ref. R535]

341. JENSEN, William B. "Aaron Ihde's Contributions to the History of Chemistry." *Bull. Hist. Chem.* 26 (2001): 24–32.

342. LESLIE, Esther. *Synthetic Worlds: Nature, Art and the Chemical Industry.* (280 pp.; ill.; bibl.; index.) London: Reaktion, 2005. ISBN: 1861892489.
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344. NEUFELDT, Sieghard. *Chronologie Chemie. Entdecker und Entdeckungen.* Third edition. (xi + 441 pp.; ill.; index.) Weinheim: Wiley-VCH, 2003. ISBN: 3527294244.
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Reviews: [ref. R1005]

345. NYE, Mary Jo. "Scientific Biography in the History of Chemistry: The Role of Dexter and Edelstein Award Winners in the Last Fifty Years." *Bull. Hist. Chem.* 32 (2007): 21–26.

346. RAMBERG, Peter J. Essay review. *Aestimatio* 2 (2005): 64–67.
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347. RUSSELL, Colin Archibald, and Gerrylynn K. ROBERTS. (Eds.) *Chemical History: Reviews of the Recent Literature.* (xii + 247 pp.; bibl.; index.) Cambridge, UK: Royal Society of Chemistry, 2005. ISBN: 0854044647.
Contents: Colin A. RUSSELL and Gerrylynn K. ROBERTS, "Getting to Know History of Chemistry," 1-18; Noel G. COLEY, "Chemistry Before 1800," 19-48; W. A. CARNPBELL, "Inorganic Chemistry," 49-56; Colin A. RUSSELL, "Organic Chemistry," 57-88; John SHORTER, "Physical Organic Chemistry," 89-134; Theodore ARABATZIS and Kostas GAVROGLU, "Physical Chemistry," 135-154; John A. HUDSON, "Analytical Chemistry," 154-184; Noel G. COLEY, "Medical Chemistry and Biochemistry," 185-214; R. G. W. ANDERSON, "Instruments and Apparatus," 215-229 [ref. 243].
Reviews: [ref. R1181]

348. SALTZMAN, Martin D. "Chemical Societies and Their Journals: What Can Be Learned about the State of Chemistry from an Analysis of the First Volumes of These Journals." *Bull. Hist. Chem.* 31 (2006): 19–27.

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350. SCHÜRMANN, Astrid, Burghard WEISS, and Hans-Werner SCHÜTT. (Eds.) *Chemie—Kultur—Geschichte: Festschrift für Hans-Werner*

Schütt anlässlich seines 65. Geburtstages. (434 pp.; ill.) Berlin: Verlag für Geschichte der Naturwissenschaften und der Technik, 2002. ISBN: 3928186639.

351. SOLIMAN, William Atef. "An Examination of Past and Present Influences on University Chemistry Education." *Diss. Abstr. Int. A* 67/05 (2006): 1687.
Dissertation at Columbia University, 2006. Adviser: Sheppard, Keith. UMI pub. no. 3215533. 303 pp. A comparison of 19th-century and present-day situations.

352. TOGEAS, James. "Element and Radical: The Divergence of Synonyms." *Bull. Hist. Chem.* 31 (2006): 81–84.
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354. WOODCOCK, Leslie V. "Phlogistion Theory and Chemical Revolutions." *Bull. Hist. Chem.* 30 (2005): 63–69.

114. ALCHEMY

355. MARTÍN REYES, Guillermina. *Breve historia de la alquimia.* Materiales de historia de la ciencia. (108 pp.; ill.; bibl.) La Orotava, Tenerife: Fundación Canaria Orotava de Historia de la Ciencia, 2004. ISBN: 8460907481.

120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

356. FLEMING, James Rodger, Vladimir JANKOVIC, and Deborah R. COEN. (Eds.) *Intimate Universality: Local and Global Themes in the History of Weather and Climate.* Science-History Studies on Atmospheres, 1. (xx + 264 pp.; ill.; maps; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 0881353671.
Contents: Vladimir JANKOVIC, "Intimate Climates, from Skins to Streets, Soirées to Societies," 1-34; Gregory A. GOOD, "A Shift of View: Meteorology in John Herschel's Terrestrial Physics," 35-68; Katharine ANDERSON, "Mapping Meteorology," 69-92; Richard STALEY, "Fog, Dust and Rising Air: Understanding Cloud Formation, Cloud Chambers, and the Role of Meteorology in Cambridge Physics in the Late 19th Century," 93-114; Deborah R. COEN, "Scaling Down: The 'Austrian' Climate between Empire and Republic," 115-140; Roger TURNER, "Teaching the Weather Cadet Generation: Aviation, Pedagogy and Aspirations to a Universal Meteorology in America, 1920–1950," 141-174; Gregory T. CUSHMAN, "The Struggle over Airways in the Americas, 1919–1945: Atmospheric Science, Aviation Technology, and Neocolonialism," 175-222 [ref. 3094]; James Rodger FLEMING, "Global Climate Change and Human Agency: Inadvertent Influence and 'Archimedean' Interventions," 223-248.

357. FRIEDMAN, G. M., and S. A. POISSANT. "Petroleum Geology in the United States." *Oil-Indust. Hist.* 1 (2000): 98–106.

358. HERRIES DAVIES, Gordon L. *Whatever Is Under the Earth: The Geological Society of London, 1807 to 2007.* (xiii + 356 pp.; ill.; maps; bibl.; index.) Bath, U.K.: Geological Society Publishing House, 2007. ISBN: 9781862392144.

359. JACKSON, Patrick Wyse. *The Chronologers' Quest: Episodes in the Search for the Age of the Earth.* (xvii + 291 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2006. ISBN: 0521813328.
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360. OLDROYD, David. *Earth Cycles: A Historical Perspective.* Greenwood Guides to Great Ideas in Science. (xiv + 234 pp.; ill.; bibl.; index; maps.) Westport, CT: Greenwood Press, 2006. ISBN: 0313332290.

361. RADHAKRISHNA, B. P. *Random Harvest: Biographical Sketches.* Memoir, Geological Society of India, 60. (vii + 291 pp.; ill.) Bangalore: Geological Society of India, 2005. ISBN: 8185867658.
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Reviews: [ref. R1111]

362. REYNOLDS, Viva Nordberg. "Life Cycles, Systems, and Chaos: The Adoption and Application of Metaphors in Geomorphology." *Diss. Abstr. Int. A* 68/02 (2007).
Dissertation at University of Kentucky, 2006. Adviser: Phillips, Jonathan D. Pub. no. AAT 3250588. 208 pp.

363. RICHET, Pascal. *A Natural History of Time.* Originally published in French as *Âge du monde* (1999). Translated by John VENERELLA. (400 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226712871.
An understanding of time and efforts to measure the age of the earth from ancient times to the 20th century.

364. VAI, Gian Battista, and W. Glen E. CALDWELL. (Eds.) *The Origins of Geology in Italy.* Special Papers, Geological Society of America, 411. (xi + 223 pp.; ill.; maps; bibl.) Boulder, Colo.: Geological Society of America, 2006. ISBN: 0813724112.
Contents: Annibale MOTTANA, "Italian Gemology during the Renaissance: A Step toward Modern Mineralogy," 1-22 [ref. 1286]; Nicoletta MORELLO, "Agricola and the Birth of the Mineralogical Sciences in Italy in the Sixteenth Century," 23-30 [ref. 1285]; David BRANAGAN, "Geology and the Artists of the Fifteenth and Sixteenth Centuries, Mainly Florentine," 31-42 [ref. 1179]; William CAVAZZA and Gian Battista VAI, "Ulisse

Aldrovandi and the Origin of Geology and Science," 43-64 [ref. 1288]; Toshihiro YAMADA, "Kircher and Steno on the 'Geocosm,' with a Reassessment of the Role of Gassendi's Works," 65-80 [ref. 1551]; Nicoletta MORELLO, "Steno, the Fossils, the Rocks, and the Calendar of the Earth," 81-94 [ref. 1547]; Gian Battista VAI, "Isostasy in Luigi Ferdinando Marsili's Manuscripts," 95-128 [ref. 1549]; Carlotta FRANCESCHELLI and Stefano MARABINI, "Luigi Ferdinando Marsili (1658–1730): A Pioneer in Geomorphological and Archaeological Surveying," 129-140 [ref. 1545]; Giancarlo SCALERA, "Mattia Damiani (1705–1776), Poet and Scientist in Eighteenth-Century Tuscany," 141-156 [ref. 1684]; Ezio VACCARI, "The 'Classification' of Mountains in Eighteenth-Century Italy and the Lithostratigraphic Theory of Giovanni Arduino (1714–1795)," 157-178 [ref. 1805]; Hugh S. TORRENS, "The Geological Work of Gregory Watt, His Travels with William Maclure in Italy (1801–1802), and Watt's 'Proto-geological' Map of Italy (1804)," 179-198 [ref. 2310]; Claudio CAPUTO and Renato FUNICIELLO, "Giovan Battista Brocchi's Rome: A Pioneering Study in Urban Geology," 199-210 [ref. 2286]; Bruno D'ARGENIO, "Leopoldo Pilla (1805–1848): A Young Combatant Who Lived for Geology and Died for His Country," 211-235 [ref. 2280].

365. VAI, Gian Battista, and William CAVAZZA. (Eds.) *Four Centuries of the Word Geology: Ulisse Aldrovandi 1603 in Bologna.* (325 pp.; ill.; bibl.; index.) Bologna: Minerva, 2003. ISBN: 887381056X.

Includes essays by two historians: Nicoletta MORELLO, writing on the early modern debate over the nature of fossils and the origins of stratigraphy in Italy and Europe, and Pietro CORSI, discussing the early history of the Italian Geological Survey. (from book review)

Reviews: [ref. R1385]

366. ZIEGLAR, D. L. "A Historic Review of Petroleum Exploration and Production: Ideas, Concepts, and Technologies." *Oil-Indust. Hist.* 1 (2000): 10–24.

121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

367. ALLEN, David Y. "Editorial: Cartographic Journals—A Look Back and Prospects for the Future." *Coord. Online J. Map Geog. Round Table* Ser. B, no. 1 (2005).

Available at `http://www.sunysb.edu/libmap/coordinates/seriesb/no1/b1.pdf`.

368. ARIEL, Avraham, and Nora Ariel BERGER. *Plotting the Globe: Stories of Meridians, Parallels, and the International Date Line.* (xii + 235 pp.; ill.; bibl.) Westport, Conn.: Praeger Publishers, 2006. ISBN: 0275988953.

Reviews: [ref. R30]

369. BARBER, Peter. "The 18th International Conference on the History of Cartography, Athens, July 1999: Report." *Imago Mundi* 52 (2000): 163–167.

Conference report.

370. BARBER, Peter. (Ed.) *The Map Book.* (360 pp.; ill.; bibl.; index.) London: Weidenfeld and Nicolson, 2005. ISBN: 0297843729.

A collection of 175 maps that span 4000 years.

Reviews: [ref. R56]

371. GRONIM, Sara S. "Imagined Nation." *Rev. Amer. Hist.* 34 (2006): 427–433.

Essay review of Martin BRÜCKNER, *The Geographic Revolution in Early America* (2006).

372. KLINGHOFFER, Arthur Jay. *The Power of Projections: How Maps Reflect Global Politics and History.* (xv + 192 pp.; maps; bibl.; index.) Westport, Conn.: Praeger Publishers, 2006. ISBN: 0275991350.

Reviews: [ref. R746]

373. KRETSCHMER, Ingrid. *Aspekte der Kartographie im Wandel der Zeit: Festschrift für Ingrid Kretschmer zum 65. Geburtstag und anlässlich ihres Ubertritts in den Ruhestand.* edited by Wolfgang KAINZ, Karel KRIZ, and Andreas RIEDL. Wiener Schriften zur Geographie und Kartographie, 16. (342 pp.; ill.) Wien: Institut für Geographie und Regionalforschung der Universität Wien, Kartographie und Geoinformation, 2004. ISBN: 3900830541.

Reviews: [ref. R774]

374. NOVAK, Drago, Miljenko LAPAINE, and Dubravka MLINARIC. (Eds.) *Pet stoljeca geografskih i pomorskih karata Hrvatske.* Translated title: [Five centuries of maps and charts of Croatia]. In Croatian. (467 pp.; ill.; bibl.; index.) Zagreb: Skolska knjiga, 2005. ISBN: 953061571X.

Reviews: [ref. R1016]

375. PICKLES, John. *A History of Spaces: Cartographic Reason, Mapping and the Geo-Coded World.* (xxii + 233 pp.; ill.; bibl.; index.) London/New York: Routledge, 2004. ISBN: 0415144973.

Using examples from the last 500 years, this book looks at the interactions of maps and the sociocultural world and includes discussions of colonialism, capitalism, health, and militarism.

376. REY, Lucienne. "The Perthes Geographical Archive: An Unplumbed Resource for the History of Geography." *Interdiscipl. Sci. Rev.* 30 (2005): 199–203.

Includes discussion on the publishing house Perthes and the journal *Petermanns Geographische Mitteilungen.*

377. SCAFI, Alessandro. *Mapping Paradise: A History of Heaven on Earth.* (389 pp.; ill.; maps; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226735591.

Explores the cartography of Christian paradise on maps of the earth from the beginning of Christianity to the present day.

Reviews: [ref. R1203]

378. SCHÄFER, Wolf. "Ptolemy's Revenge: A Critique of Historical Cartography." *Coord. Online J. Map Geog. Round Table* Ser. A, no. 3 (2005).

Studies geocentrist and presentist bias of current practices in historical mapping. Article

available at http://www.sunysb.edu/libmap/coordinates/seriesa/no3/a3.pdf.

122. NATURAL HISTORY

379. AFTANDILIAN, David. (Ed.) *What Are the Animals to Us? Approaches from Science, Religion, Folklore, Literature, and Art.* (xxv + 343 pp.; ill.; bibl.; index.) Knoxville: University of Tennessee Press, 2007. ISBN: 157233472X.

The essays in the book cover folklore of animals in various cultures, the literary and historical representations of animals, the roles of animals in art and religion, and the history of Konrad Lorenz and his work in light of revelations about his National Socialist past. Contributors: Boria SAX, Lynne S. MCNEILL, Xiaofei KANG, Ria KOOPMANS-DE BRUIJN, David AFTANDILIAN, Marion W. COPELAND, E. J. W. HINDS, Elisabet Sveingar AMUNDSEN, Ana Isabel QUEIROZ, Maria Teresa L. M. B. ANDRESEN, Susan BRADEN, Tonia L. PAYNE, Laura HOBGOOD-OSTER, Susan Carole ROY, Anne ALDEN, Muffet JONES, David Scofield WILSON, Lynette A. HART, and Bruce HACKETT.

380. BERETTA, Marco. (Ed.) *From Private to Public: Natural Collections and Museums.* Uppsala Studies in History of Science, 32; European Studies in Science History and the Arts, 5. (ix + 252 pp.; ill.; maps; bibl.; index.) Sagamore Beach, Mass.: Science History Publications, 2005. ISBN: 0881353604.

Contents: Christoph MEINEL, “Re-Humanizing a Sleeping Beauty: A Historian’s Vision of Natural History Collections,” 235-240.

Reviews: [ref. R83]

381. BULLIET, Richard W. *Hunters, Herders, and Hamburgers: The Past and Future of Human–Animal Relationships.* (253 pp.; bibl.; index.) New York: Columbia University Press, 2005. ISBN: 0231130767.

Reviews: [ref. R183]

382. CLODE, Danielle. *Continent of Curiosities: A Journey through Australian Natural History.* (xii + 212 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2006. ISBN: 0521866200.

Examines the stories of the scientists who worked at the Museum Victoria to illustrate the role of Australia’s flora and fauna in the development of the biological sciences.

Reviews: [ref. R251]

383. KAMMEN, Michael G. *A Time to Every Purpose: The Four Seasons in American Culture.* (336 pp.; ill.; bibl.; index.) Chapel Hill: University of North Carolina Press, 2004. ISBN: 080782836X.

“Traces the appeal of the four seasons motif in American popular culture and fine arts from the seventeenth century to the present.” (from the publisher)

384. LOGAN, William Bryant. *Oak: The Frame of Civilization.* (336 pp.; ill.; bibl.; index.) New York: W. W. Norton, 2005. ISBN: 0393047733.

385. MACDONALD, Helen. *Falcon.* Animal. (208 pp.; ill.; bibl.; index.) London: Reaktion, 2006. ISBN: 1861892381.

A cultural and natural history of falcons throughout human history.

Reviews: [ref. R872]

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153. PHARMACY

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Contents: Jean-Paul GAUDILLIÈRE, "Better Prepared than Synthesized: Adolf Butenandt, Schering Ag and the Transformation of Sex Steroids into Drugs (1930–1946)," 612–644 [ref. 3438]; Viviane QUIRKE, "Making *British* Cortisone: Glaxo and the Development of Corticosteroids in Britain in the 1950s–1960s," 645–674 [ref. 3809]; Ilana LÖWY, "Biotherapies of Chronic Diseases in the Inter-war Period: From Witte's Peptone to Penicillium Extract," 675–695 [ref. 3324]; Christian BONAH, "The 'Experimental Stable' of the BCG Vaccine: Safety, Efficacy, Proof, and Standards, 1921–1933," 696–721 [ref. 3433]; Maurice CASSIER, "Appropriation and Commercialization of the Pasteur Anthrax Vaccine," 722–742 [ref. 2689]; Gabriela Soto LAVEAGA, "Uncommon Trajectories: Steroid Hormones, Mexican Peasants, and the Search for a Wild Yam," 743–760 [ref. 3442].

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160. TECHNOLOGY, GENERAL WORKS
(includes architecture)

592. BERETTA, Marco. (Ed.) *When Glass Matters: Studies in the History of Science and Art from Graeco-Roman Antiquity to Early Modern Era.* (xiv + 355 pp.; ill.; bibl.; index.) Firenze: Leo S. Olschki, 2004. ISBN: 8822253183.

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594. COLLINGRIDGE, Jeremy M. R., Alan J. HOBBS, L. Graham HOGG, Stephen F. HULL, Geoffrey E. ROE, Marc Van der STRICHT, and Michael WEST. "Ink Reservoir Writing Instruments, 1905–2005." *Trans. Newcomen Soc.* 77 (2007): 69–100.

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605. HUERTA, Santiago. *Arcos, bóvedas y cúpulas: geometría y equilibrio en el cálculo tradicional de estructuras de fábrica.* Textos sobre teoría e historia de las construcciones. (xiv + 623 pp; ill.) Madrid: Instituto Juan de Herrera, 2004. ISBN: 8497281292.

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Contents: Pieter E. VERMAAS and Wybo HOUKES, "Technical Functions: A Drawbridge between the Intentional and Structural Natures of Technical Artefacts," 5–18; Sven Ove HANSSON, "Defining Technical Function," 19–22; Marcel SCHEELE, "Function and Use of Technical Artefacts: Social Conditions of Function Ascription," 23–36; Beth PRESTON, "Social Context and Artefact Function," 37–41; Maarten FRANSSEN, "The Normativity of Artefacts," 42–57; Jonathan DANCY, "The Thing to Use," 58–61; Pieter E. VERMAAS, "The Physical Connection: Engineering Function Ascriptions to Technical Artefacts and Their Components," 62–75; Stephen MUMFORD, "Function, Structure, Capacity," 76–80; Jeroen de RIDDER, "Mechanistic Artefact Explanation," 81–96; P. MCLAUGHLIN, "Mechanical Philosophy and Artefact Explanation," 97–101; Wybo HOUKES, "Knowledge of Artefact Functions," 102–113; Adam MORTON, "Finding the Corkscrew," 114–117; Anthonie MEIJERS and Wybo HOUKES, "The Ontology of Artefacts: The Hard Problem," 118–131; Lynne Rudder BAKER, "On the Twofold Nature of Artefacts," 132–136; Peter KROES, "Coherence of Structural and Functional Descriptions of Technical Artefacts," 137–151; Randall R. DIPERT, "Coherence and Engineering Design," 152–158.

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619. VANDERBURG, Willem H. "Living in the Labyrinth of Technology: Industrialization and Humanity's Third Megaproject." *Bull. Sci. Tech. Soc.* 25 (2005): 215–237.

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621. BRIGGS, Asa, and Peter BURKE. *A Social History of the Media: From Gutenberg to the Internet.* (viii + 373 pp.; ill.; bibl.; index.) Cambridge: Polity, 2002. ISBN: 0745623743.

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623. HOWARD, Nicole. *The Book: The Life Story of a Technology.* Greenwood Technographies. (xvi + 171 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2005. ISBN: 031333028x.

624. KIM, Young Chun. "Privacy and Communications Technologies in United States History: A Comparison of Concepts of Privacy in Relation to Changing Communications Technologies." *Diss. Abstr. Int. A* 67/08 (2007).

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625. MAGOUN, Alexander B. *Television: The Life Story of a Technology.* Greenwood Technographies. (xx + 209 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2007. ISBN: 0313331286.

626. MAHONEY, Michael S. "The Histories of Computing(s)." *Interdiscipl. Sci. Rev.* 30 (2005): 119–135.

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629. REGAL, Brian. *Radio: The Life Story of a Technology.* Greenwood Technographies. (xx + 152 pp.; bibl.; ill.; index.) Westport, CT: Greenwood Press, 2005. ISBN: 0313331677.

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163. AGRICULTURE AND RELATED SCIENCES

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631. DEGREGORI, Thomas R. *Origins of the Organic Agriculture Debate.* (xvii + 211 pp.; bibl.) Ames, Iowa: Iowa State Press, 2004. ISBN: 0813805139.

632. FICKLE, James E. *Timber: A Photographic History of Mississippi Forestry.* (xv + 151 pp.; ill.; index.) Jackson: University Press of Mississippi, 2004. ISBN: 1578067103.

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633. KIPLE, Kenneth, and Kriemhild Coneè ORNELAS. (Eds.) *The Cambridge World History of Food.* 2 vol. (xlii + 2153 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2000. ISBN: 052140214X (v. 1); 0521402158 (v. 2).

634. NILSSON, Louise. "En grön och gudomlig dryck: Receptionen av asiatiskt te i svensk konsumtionskultur och populär hälsodiskurs." Translated title: [A green and divine drink: The reception of Asian green tea in Swedish consumer culture and media discourses concerning health]. In Swedish. [ref. 583]. *Lychnos* (2005): 273–294.

164. AIR AND SPACE TECHNOLOGIES

(includes manned and unmanned space travel)

635. ELLAM, Clive. "From Cayley to Concorde and Beyond: Two Centuries of Aeronautical Engineering." *Trans. Newcomen Soc.* 76 (2006): 235–250.

636. KINNEY, Jeremy R. *Airplanes: The Life Story of a Technology.* Greenwood Technographies. (xxiii + 160 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2006. ISBN: 0313331502.

F. Classification by Geographical Area and Cultural Influence

200. CULTURAL AND CROSS-CULTURAL CONTEXTS, GENERAL WORKS

(for works on colonialism related to specific regions, see that region)

200-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

637. BARRERA-OSORIO, Antonio. *Experiencing Nature: The Spanish American Empire and the Early Scientific Revolution.* (xi + 211 pp.; ill.; maps; bibl.; index.) Austin, TX: University of Texas Press, 2006. ISBN: 0292709811.

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638. DEANS-SMITH, Susan. "Introduction." Special section: "Nature and Scientific Knowledge in the Spanish Empire." *Col. Latin Amer. Rev.* 15 (2006): 29–38.

Contents: Antonio BARRERA, "Empire and Knowledge: Reporting from the New World," 39–54 [ref. 1291]; Paula S. De VOS, "Research, Development, and Empire: State Support of Science in the Later Spanish Empire," 55–79 [ref. 1847]; Daniela BLEICHMAR, "Painting as Exploration: Visualizing Nature in Eighteenth-Century Colonial Science," 81–104 [ref. 646].

639. KEYSER, Paul T. Essay review. *Aestimatio* 1 (2004): 62–72.

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640. LANG, Philippa. Essay review. *Aestimatio* 3 (2006): 19–31.

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641. LLOYD, G. E. R. *Principles and Practices in Ancient Greek and Chinese Science.* Variorum Collected Studies Series, CS849. (xiv + 302 pp.; bibl.; index.) Burlington, VT: Ashgate/Variorum, 2006. ISBN: 0860789934.

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643. WILSON, Waziyatawin Angela. "Introduction: Indigenous Knowledge Recovery Is Indigenous Empowerment." Special issue: "The Recovery of Indigenous Knowledge." *Amer. Ind. Quart.* 28 (2004): 359–372.

Partial contents: Leanne R. SIMPSON, "Anticolonial Strategies for the Recovery and Maintenance of Indigenous Knowledge," 373–384; Deborah MCGREGOR, "Coming Full Circle: Indigenous Knowledge, Environment, and Our Future," 385–410; Michael P. MILBURN, "Indigenous Nutrition: Using Traditional Food Knowledge to Solve Contemporary Health Problems," 411–434 [ref. 648]; Dennis WALL and Virgil MASAYESVA, "People of the Corn: Teachings in Hopi Traditional Agriculture, Spirituality, and Sustainability," 435–453 [ref. 863]; Polly O. WALKER, "Decolonizing Conflict Resolution: Addressing the Ontological Violence of Westernization," 527–549; R. Cruz BEGAY, "Changes in Childbirth Knowledge," 550–565 [ref. 855]; Michael G. DOXTATER, "Indigenous Knowledge in the Decolonial Era," 618–633.

200-11. SOCIOLOGY OF SCIENCE; PSYCHOLOGY OF SCIENCE

644. GREIFF, Alexis de, and Nieto OLARTE. "What We Still Do Not Know about South-North Technoscientific Exchanges: North-Centricism, Scientific Diffusion, and the Social Studies of Science." In *The Historiography of Contemporary Science, Technology, and Medicine*, edited by DOEL and SÖDERQVIST (2006) [ref. 54], 239–259.

200-110. ASTRONOMY AND COSMOLOGY

645. DENG Ke-hui. "A comparative study of problems relating to the observation and calculation of the solar year in ancient China and ancient Greece." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 1 (2006): 117–122.

200-122. NATURAL HISTORY

646. BLEICHMAR, Daniela. "Painting as Exploration: Visualizing Nature in Eighteenth-Century Colonial Science." *Col. Latin Amer. Rev.* 15 (2006): 81–104.

200-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

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649. RAPHALS, Lisa. "Divination and Medicine in China and Greece: A Comparative Perspective on the Baoshan Illness Divinations." *EASTM* 24 (2005): 78–103.

650. SUFIAN, Sandy. "Colonial Malariology, Medical Borders, and Sharing Scientific Knowledge in Mandatory Palestine." *Sci. Context* 19 (2006): 381–400.

651. UNSCHULD, Paul U. *Was ist Medizin? Westliche und östliche Wege der Heilkunst.* (295 pp.; ill.; bibl.; index.) München: C. H. Beck, 2003. ISBN: 3406502245.
Reviews: [ref. R1383]

200-151. PSYCHIATRY; MEDICAL PSYCHOLOGY
(see also 136-Neurosciences and 137-Psychology)

652. KELLER, Richard C. *Colonial Madness: Psychiatry in French North Africa.* (xi + 294 pp.; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 0226429733.

200-163. AGRICULTURE AND RELATED SCIENCES
(includes animal husbandry, forestry, and food science)

653. HODGE, Joseph Morgan. *Triumph of the Expert: Agrarian Doctrines of Development and the Legacies of British Colonialism.* Series in Ecology and History. (408 pp.; ill.; bibl.; index.) Athens: Ohio University Press, 2007. ISBN: 0821417177.

210. ARABIC-ISLAMIC CONTEXTS

210-1. GENERAL HISTORIES OF SCIENCE
(includes interdisciplinary topics and biographies of scientists)

654. ANSARI, S. M. Razaullah. (Ed.) *Science and Technology in the Islamic World.* Proceedings of the XXth International Congress of History of Science (Liège, 20-26 July 1997), v. 21. (271 pp.; ill.; bibl.; index.) Turnhout, Belgium: Brepols, 2002. ISBN: 2503514154.

655. ASHRAF, Jaweed. "K̲h̲ayyām the Scientist, and His Time." *Stud. Hist. Med. Sci.* 20 (2005): 1–26.

656. COOPER, Glen M. Essay review. *Aestimatio* 1 (2004): 5–12.
Available at `http://www.ircps.org/publications/aestimatio/pdf/2004-01-02_Cooper.pdf`. Essay review of A. Mark SMITH, *Alhacen's Theory of Visual Perception* (2001).

657. FORCADA, Miquel. "Ibn Bājja and the Classification of the Sciences in al-Andalus." *Arab. Sci. Phil.* 16 (2006): 287–307.

658. IHSANOGLU, Ekmeleddin, and Efthymios NICOLAIDIS. "Communications du Symposium 'La diffusion de la science et de la technologie dans l'Empire Ottoman et les États nationaux.'" Introduction to special issue: "Diffusion of Science and Technology: Ottoman Empire and National States." *Arch. Int. Hist. Sci.* 55 (2005): 417–418.
Contents: Tofigh HEIDARZADEH, "Patronage, Networks and Migration : Turco-Persian Scholarly Exchanges in the 15th, 16th, and 17th Centuries," 419–434 [ref. 666]; Şinasi ACAR, Atilla BIR and Mustafa KAÇAR, "Ottoman Distance Archery, Bows, and Arrows," 435–457 [ref. 716]; Tuncay ZORLU, "The Ottoman Experience with Copper Sheathing of Warships," 459–466 [ref. 668]; Vehbi BAYSAN, "Restructuring Ottoman State and Society : Bureaucratic View of Science and Technology during the Reform Period," 467–480 [ref. 669]; Ioli VINGOPOULOU, "Botanistes, naturalistes, scientifiques, docteurs ou voyageurs en Orient ? XVI^{e}-XIX^{e} siècles," 481–490 [ref. 701].

659. IQBAL, Muzaffar. *Science and Islam.* Greenwood Guides to Science and Religion. (xxxv + 233 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2007. ISBN: 0313335761.

660. KAHYA, Esin. "An Evaluation of the Scientific Studies of Saljūqs in Anatolia." *Stud. Hist. Med. Sci.* 16 (1999/2000): 67–75.

661. MORRISON, Robert G. Essay review. *Aestimatio* 1 (2004): 28–43.
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662. MURPHY, Jane Holt. "Improving the Mind and Delighting the Spirit: Jabarti and the Sciences in Eighteenth-Century Ottoman Cairo." *Diss. Abstr. Int. A* 67/07 (2007).
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663. NADWI, Muhammad Raziul-Islam. "Al-Rāzī's Research Methodology." Translated from Urdu by Asghar ALI. *Stud. Hist. Med. Sci.* 17 (2001): 13–23.

210-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS
(includes popular culture; popularization of science; public understanding of science)

664. JONES, Toby Craig. "The Dogma of Development: Technopolitics and the Making of Saudi Arabia, 1950–1980." *Diss. Abstr. Int. A* 67/09 (2007).
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210-21. SCIENCE AND ETHICS

665. MOHAGHEGH, M. "Moral Philosophy or Spiritual Medicine in Islam." *Stud. Hist. Med. Sci.* 16 (1999/2000): 21–26.
Discussion of 9th-10th century work of the Arabic physician al-Razi.

210-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS
(includes science policy, patronage, international relations)

666. HEIDARZADEH, Tofigh. "Patronage, Networks and Migration: Turco-Persian Scholarly Exchanges in the 15th, 16th, and 17th Centuries." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 419–434.

210-28. SCIENCE AND RELIGION

667. NAJJAR, Fauzi M. "Ibn Rushd (Averroes) and the Egyptian Enlightenment Movement." *Brit. J. Mid. East Stud.* 31 (2004): 195–213.
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210-29. SCIENCE AND WAR

668. ZORLU, Tuncay. "The Ottoman Experience with Copper Sheathing of Warships." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 459–466.

210-42. SCIENCE EDUCATION
(includes history of educational institutions)

669. BAYSAN, Vehbi. "Restructuring Ottoman State and Society: Bureaucratic View of Science and Technology during the Reform Period." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 467–480.

210-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS
(includes history of philosophy of science)

670. BORISOV, A. IA. *Materialy i issledovaniia po istorii Neoplatonizma na srednevekovom Vostoke.* edited by K. B. STARKOVA and E. N. MESHCHERSKAIA. Pravoslavnyi palestinskii sbornik, 99. (256 pp.) St. Petersburg: DB, 2002. ISBN: 5860072163.
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671. SIRAT, Colette, and Marc GEOFFROY. *L'original arabe du Grand Commentaire d'Averroès au* De anima *d'Aristote : Prémices de l'édition.* Sic et non. (120 pp.; ill.; bibl.) Paris: J. Vrin, 2005. ISBN: 2711617491.
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672. TEIXIDOR, Javier. *Aristote en syriaque : Paul le Perse, logicien du VI^e siècle.* (152 pp.; bibl.; index.) Paris: CNRS, 2003. ISBN: 227106161X.

673. TREIGER, Alexander. "Andrei Iakovlevič Borisov (1903-1942) and His Studies of Medieval Arabic Philosophy." *Arab. Sci. Phil.* 17 (2007): 159–195.
Essay review of A. IA. BORISOV, *Materialy i issledovaniia po istorii Neoplatonizma na srednevekovom Vostoke* edited by K. B. STARKOVA and E. N. MESHCHERSKAIA. (2002) [ref. 670].

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210-103. MATHEMATICS

676. BERGGREN, J. L., and Glen Van BRUMMELEN. "Al-Kuhi's Revision of Book I of Euclid's *Elements*." *Hist. Math.* 32 (2005): 426–452.

677. DJEBBAR, Ahmed. "Quelques exemples de scholies dans la tradition arabe des *Éléments* d'Euclide." Part of special issue: "La réception des *Éléments* d'Euclide au Moyen Age et à la Renaissance" [ref. 1083]. *Rev. Hist. Sci.* 56 (2003): 293–321.

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Essay review of Roshdi RASHED, *Geometry and Dioptrics in Classical Islam* (2005) [ref. 684].

681. LÉVY, Tony. "L'Algèbre arabe dans les textes hébraïques (II). Dans l'Italie des XV^e et XVI^e siècles, sources arabes et sources vernaculaires." *Arab. Sci. Phil.* 17 (2007): 81–107.

682. OAKS, Jeffrey A., and Haitham M. ALKHATEEB. "*Mal*, Enunciations, and the Prehistory of Arabic Algebra." *Hist. Math.* 32 (2005): 400–425.
On the term *mal* and the wording of the problems in the books of al-Khwarizmi, Abu Kamil, and Ibn Badr.

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684. RASHED, Roshdi. *Geometry and Dioptrics in Classical Islam.* Al-Furqan Islamic Heritage Foundation, 99. (1178 pp.; bibl.; index.) London: Al-Furqaan Islamic Heritage Foundation, 2005. ISBN: 1873992998.
Reviews: [ref. 680, R1116]

685. SESIANO, Jacques. *Les carrés magiques dans les pays islamiques.* (xiii + 277 pp.; ill.) Lausanne: Presses polytechniques et universitaires romandes, 2004. ISBN: 2880745713.

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210-110. ASTRONOMY AND COSMOLOGY

687. BAGHERI, Mohammad. "Kūshyār ibn Labbān's Glossary of Astronomy." *Sciamvs* 7 (2006): 145–174.

688. DÍAZ-FAJARDO, Montse. "*Al-Zīŷ al-Mustawfà* de Ibn al-Raqqām y los apogeos planetarios en la tradición andaluso-magrebí." *al-Qanṭara* 36 (2005): 19–30.

689. GOLDSTEIN, Bernard R., and Giora HON. "Celestial Charts and Spherical Triangles: The Unifying Power of *Symmetry*." *J. Hist. Astron.* 38 (2007): 1–14.
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the concept of symmetry as compared with that in the work of Flamsteed, Euler, Kant, and Legendre.

690. RASHED, Roshdi. "The Celestial Kinematics of Ibn Al-Haytham." *Arab. Sci. Phil.* 17 (2007): 7–55.

691. SALIBA, George. *Islamic Science and the Making of the European Renaissance.* Transformations. (xi + 315 pp.; ill.; bibl.; index.) Cambridge, MA: MIT Press, 2007. ISBN: 0262195577.
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210-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

692. ADAMSON, Peter. "Vision, Light and Color in al-Kindī, Ptolemy and the Ancient Commentators." *Arab. Sci. Phil.* 16 (2006): 207–236.
On the Arabic reception of Greek optics.

693. AL-HAYTHAM, al-Hasan ibn. *Kitab al-manazir: al-maqalat al-rabi'ah wa al-khamisah fi in'ikas al-adwa wa mawadi' al-khayalat al-mubsarah bi-al-in'ikas.* edited by A. I. SABRA. Translated title: [Kitab al-Manazir (The Optics) of al-Hasan ibn al-Haytham, Books IV-V, On reflection, and images seen by reflection]. In Arabic. al-Silsilah al-turathiyah, 27. (2 vol.; ill.; index.) al-Kuwayt: al-Majlis al-Watani lil-Thaqafah wa-al-Funun wa-al-Adab, 2002.
Reviews: [ref. R7]

694. AZMI, Altaf Ahmad. "Contribution of Ibn al-Hayt͟ham to Optics." *Stud. Hist. Med. Sci.* 17 (2001): 51–71.

210-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

695. ŞENGÖR, A. M. Celâl. "Ex Oriente Lux Mundi." *Ann. Sci.* 63 (2006): 483–492.
Essay review of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums,* Band X (2000) [ref. 696]; Fuat SEZGIN, *Geschichte des Arabischen Schrifttums,* Band XI (2000) [ref. 697]; Fuat SEZGIN, *Geschichte des Arabischen Schrifttums,* Band XII (2000) [ref. 698]; Fuat SEZGIN, *Mathematical Geography and Cartography in Islam and Their Continuation in the Occident,* Volume I (2005) [ref. 700].

696. SEZGIN, Fuat. *Geschichte des Arabischen Schrifttums,* Band X: *Mathematische Geographie und Kartographie im Islam und Ihr Fortleben im Abendland—Historische Darstellung.* Teil 1. (xxx + 634 pp.) Frankfurt am Main: Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, 2000. ISBN: 3829800568.
Reviews: [ref. 695]

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Reviews: [ref. 695]

698. SEZGIN, Fuat. *Geschichte des Arabischen Schrifttums,* Band XII: *Mathematische Geographie und Kartographie im Islam und Ihr Fortleben im Abendland—Kartenband.* (362 pp.) Frankfurt am Main: Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, 2000. ISBN: 3829800584.
Reviews: [ref. 695]

699. SEZGIN, Fuat. *Mathematical Geography and Cartography in Islam and Their Continuation in the Occident.* Volume III: *Volume of Maps.* Translated by Guy MOORE and Geoff SAMMON. (362 pp.; maps.) Frankfurt am Main: Institute for the History of Arabic-Islamic Science, 2000.
English tranlation of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums,* Band XII (2000) [ref. 698].

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English translation of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums,* Band X (2000) [ref. 696]
Reviews: [ref. 695]

210-131. BOTANY
(includes plant sciences)

701. VINGOPOULOU, Ioli. "Botanistes, naturalistes, scientifiques, docteurs ou voyageurs en Orient ? XVI^{e}-XIX^{e} siècles." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 481–490.

210-140. SOCIAL SCIENCES, GENERAL WORKS
(includes criminology, demography, etc.)

702. BAALI, Fuad. *The Science of Human Social Organization: Conflicting Views on Ibn Khaldun's (1332-1406) Ilm al-umran.* Mellen Studies in Sociology, 45. (ix + 149 pp.; bibl.; index.) Lewiston, NY: Edwin Mellen Press, 2005. ISBN: 0773462791.

210-150. MEDICAL SCIENCES, GENERAL WORKS
(includes human anatomy and physiology; see also 135-Physical anthropology)

703. ALI, Syed Mahtab. "Contribution of Muslim Physicians to Anatomy." *Stud. Hist. Med. Sci.* 19 (2003): 85–93.

704. ASHRAF, Jaweed. "Medico-social Study of *Majmūʿa-i Ziyāʾī*: A Medieval Persian Unani Manuscript." *Stud. Hist. Med. Sci.* 19 (2003): 19–43.

705. AZMI, Altaf Ahmad. "Impact of Arabian Medicine on the Western World in the Middle Ages." *Stud. Hist. Med. Sci.* 17 (2001): 1–12.

706. BARI, Abdul. "*Dastūr al-Hunūd*: A Persian Ṭibbī Manuscript." *Stud. Hist. Med. Sci.* 19 (2003): 53–60.

707. BARI, Abdul. "Graeco-Arab Medicine in Iran during Safwi Period." *Stud. Hist. Med. Sci.* 17 (2001): 39–49.

708. BARI, Abdul, and Arshad HUSSAIN. "Hakim ʿImād al-Dīn Mahmūd S͟h͟īrāzī and Risālah Bīk͟h͟-i Chini." *Stud. Hist. Med. Sci.* 17 (2001): 73–109.

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709. DEURASEH, Nurdeen. "Contributions of the Arabs to Greek Medicine during the Middle Ages." *Stud. Hist. Med. Sci.* 20 (2005): 27–44.

710. FANCY, Nahyan A. G. "Pulmonary Transit and Bodily Resurrection: The Interaction of Medicine, Philosophy and Religion in the Works of Ibn al-Nafis (d. 1288)." *Diss. Abstr. Int. A* 67/11 (2007).

Dissertation at University of Notre Dame, 2006. Adviser: Sloan, Phillip R. and Ahmad Dallal. UMI pub. no. 3243286. 288 pp.

711. HAMEED, Abdul. "Medical Ethics in Medieval Islam." *Stud. Hist. Med. Sci.* 16 (1999/2000): 1–19.

712. LANGERMANN, Y. Tzvi. "Medical *Isrāʾīliyyāt*? Ancient Islamic Medical Traditions Transcribed into the Hebrew Alphabet." *Aleph* 6 (2006): 373–398.

713. SARI, Nil, and Ali H. BAYAT. "The Medical Organization at the Ottoman Court." *Stud. Hist. Med. Sci.* 16 (1999/2000): 37–51.

714. ZILLURRAHMAN, S. "Hakīm Aẓam Khān and His Dictionary of Synonyms: Asmāʾ al-Adwiya." Translated from Urdu by Asghar ALI. *Stud. Hist. Med. Sci.* 16 (1999/2000): 53–65.

210-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

715. PITTLE, Kevin D. "Continuity and Change in Islamic Ethnopharmacological Practice: New Methods for Cognitive Dialectometry." *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at Florida State University, 2005. Adviser: Josserand, J. K. UMI pub. no. 3216640. 232 pp.

210-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

716. BIR, Atilla, Mustafa KAÇAR, and Şinasi ACAR. "Ottoman Distance Archery, Bows, and Arrows." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 435–457.

220. BYZANTIUM AND EASTERN CHRISTIAN CONTEXTS

220-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

717. MCCABE, Anne. *A Byzantine Encyclopaedia of Horse Medicine: The Sources, Compilation, and Transmission of the* Hippiatrica. Oxford Studies in Byzantium. (xii + 347 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 0199277559.

Explores the transmission of knowledge from the Greek period; focuses on this text's transmission from manuscript to printed edition.

230. EAST ASIAN AND SOUTHEAST ASIAN CONTEXTS

230-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

718. BRENNAN, Andrew. "Asian Traditions of Knowledge: The Disputed Questions of Science, Nature and Ecology." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 567–581.

719. ELMAN, Benjamin A. *A Cultural History of Modern Science in China.* New Histories of Science, Technology, and Medicine. (xii + 308 pp.; ill.; maps; bibl.; index.) Cambridge, Mass.: Harvard University Press, 2006. ISBN: 0674023064.

Reviews: [ref. R389]

720. FAN, Fa-ti. "Science in Late Imperial China." *Isis* 97 (2006): 535–538.

Essay review of Benjamin A. ELMAN, *On Their Own Terms* (2005).

721. HAN Jian-min. "Science communication in late Qing Dynasty." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 1 (2005): 33–37.

722. KIM Yung Sik. *Jeong Yakyong sasang sogui gwahak gisul.* Translated title: [The place of science and technology in the thought of Jeong Yakyong: Confucian tradition, practicality, and science]. In Korean. Seoul: Seoul National University Press, 2006.

The first independent volume that presents research on the Confucian scholar Jeong Yakyong's (1762-1836) theories and views on science and technology.

723. KOREAN HISTORY OF SCIENCE SOCIETY. (Ed.) *Han'guk gwahakgisul inmul 12in.* Translated title: [Twelve figures in Korean history of science and technology]. In Korean. Seoul: Haenamu Publishing, 2005.

A compilation of biographical studies on twelve distinguished figures in Korean science and technology from the 13th century to the 20th century.

724. MOON Joong-Yang and KOO Mhan-Ock. (Eds.) *Han'guk sirak sasang yeon'gu 4: gwahakgisul-pyeon.* Translated title: [Studies on the thoughts of Sirak scholarship in late Joseon Korea, *vol. 4:* science and technology]. In Korean. Seoul: Hyean Publishing Co., 2005.

On the introduction of Western science to Korea and the developmental changes of traditional scientific discourses (focuses on particular sciences such as astronomy, astronomical instruments, geography, medicine, and agriculture).

725. MOON Joong-Yang. "Sejong-dae gwahak gisul eui jajuseong, dasi bigi." Translated title: [Science and technology in King Sejong's era: questioning its independence from China]. In Korean. *Yoksa Hakbo* 189 (2006): 39–72.

Argues that science and technology during King Sejong's reign (1418-1450) was neither independent nor different from that in China, despite the general perception to the contrary.

726. MOON Joong-Yang. *Uriyeoksa gwahak gihaeng.* Translated title: [A journey through science

in Korean history]. In Korean. Seoul: East-Asia Publishing, 2006.

On the relics and artifacts of Korean traditional sciences (star maps, world maps, astronomical instruments, armillary spheres, scaphe sundials, warships, firearms, etc.).

727. SHANKMAN, Steven, and Stephen W. DURRANT. (Eds.) *Early China/Ancient Greece: Thinking through Comparisons.* SUNY Series in Chinese Philosophy and Culture. (viii + 305 pp.; bibl.; index.) Albany: State University of New York Press, 2002. ISBN: 0791453138.

230-5. HISTORIOGRAPHY; HISTORICAL METHODS

728. QU An-jing. "Revisiting two movements of research in the history of Chinese mathematics." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 5 (2006): 100–104.

On 20th-century historiography of the history of Chinese mathematics.

729. WANG Yang-zong. "Yang Quan (1893-1933) and the Needham problem." [Translated title.] In Chinese. *Guangxi Minzu Xueyuan Xuebao* 12, no. 3 (2006): 34–36.

230-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

730. SHAN Zhicong. "Some questions on the studies of scientific social history in Song Dynasty." [Translated title.] In Chinese. *J. Dial. Natur.* 26, no. 5 (2004): 103–106.

731. WANG Li. "The resistance and tension between Chinese culture and science and technology." [Translated title.] In Chinese. *Stud. Dial. Natur.* 22, no. 8 (2006): 83–85.

230-29. SCIENCE AND WAR

732. KIM Yeon-hee. "Yeongseonsa haeng gungye hakjodan eui jae pyeong-ga." Translated title: [A reappraisal of the Gungyehakjodan of yeongseonsa haeng]. In Korean. *Han-gook-sa Yeon-goo* 137 (2007): 227–267.

Examines the Gungyehakjodan, a corps of 38 technicians, dispached to Taijin, China, in October 1881 by the government of Joseon Korea to acquire new arms production techniques of the Qing Dynasty.

733. YATES, Robin D. S. "The History of Military Divination in China." *EASTM* 24 (2005): 15–43.

230-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

734. LE ROUX, Pierre, Bernard SELLATO, and Jacques IVANOFF. (Eds.) *Poids et mesures en Asie du sud-est : Systèmes métrologiques et sociétés.* Etudes thématiques. (423 pp.; ill.) Paris: Ecole française d'extrême-orient, 2004. ISBN: 2855396333.

230-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

735. LIM Jong-tae. "Muhan uju eui uhwa – Hong Dae-yong eui gwahak gwa munmyeongnon." Translated title: [An allegory of the infinite universe—Hong Dae-yong's thoughts on science and civilization]. In Korean. *Yeoksa Bipyeong* 58 (2005): 261–285.

Reevaluates the role of scientific ideas in the work of Confucian scholar Hong Dae-yong (1731-1783), focusing on his criticism of the neo-Confucian world view.

736. WANG, Robin R. "Zhou Dunyi's *Diagram of the Supreme Ultimate Explained (Taijiyu shou)*: A Construction of the Confucian Metaphysics." *J. Hist. Ideas* 66 (2005): 307–323.

737. YANG Ze-zhong. "Why the axiomatic method had little influence from the late Ming Dynasty to the early Qing Dynasty." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 5 (2006): 84–87.

Includes a discussion of the place of the translation of Euclid's *Elements* in Chinese understanding of scientific method.

738. YUAN, Jinmei. " 'Kinds, *Lei*' in Ancient Chinese Logic: A Comparision to 'Categories' in Aristotelian Logic." *Hist. Phil. Quart.* 22 (2005): 181–199.

230-103. MATHEMATICS

739. CHEMLA, Karine. "Generality above Abstraction: The General Expressed in Terms of the Paradigmatic in Mathematics in Ancient China." *Sci. Context* 16 (2003): 413–458.

740. CHU, Pingyi. "Fudu shengcai: Mei Wending de *Lixueyiwenbu* yu Kangxi de *Sanjiaoxing tuisuanfalun*." Translated title: [Reading the words of his majesty: On the dialogue between Mei Wending's *Supplements to the Questions about Calendrical Learning* and Kangxi's *On Trigonometry*]. In Chinese. *Xinshixue (New History)* 16, no. 1 (2005): 51–84.

741. CULLEN, Christopher. "Can We Make the History of Mathematics Historical? The Case of Ancient China." *Stud. Hist. Phil. Sci.* 37 (2006): 515–525.

Essay review of Karine CHEMLA and GUO Shuchun, *Les Neuf Chapitres* (2004).

742. CULLEN, Christopher. "The *Suàn shù shū*, 'Writings on Reckoning': Rewriting the History of Early Chinese Mathematics in the Light of an Excavated Manuscript." *Hist. Math.* 34 (2007): 10–44.

743. HOON, Jun Yong. "Mathematics in Context: A Case in Early Nineteenth-Century Korea." *Sci. Context* 19 (2006): 475–512.

744. ZHANG Jian-wei. "Seki Takakazu and the Japanese calculation tradition (*wasan*)." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 1 (2006): 123–126.

230-104. MUSIC THEORY

745. WU Hong-ya. "A study on the scientific skepticism and critical spirit of Chu Tsai-Yu's equal tem-

perament scale." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 1 (2006): 88–111.

Chu discovered the twelve-tone equal temperament scale (*hsin fa mi li*).

230-110. ASTRONOMY AND COSMOLOGY

746. CULLEN, Christopher. "Huo Rong's Observation Programme of A.D. 102 and the *Han Li* Solar Table." *J. Hist. Astron.* 38 (2007): 75–98.

This is a close case study drawing on work by Maeyama Yasukatsu (see *Arch. Int. Hist. Sci.* (1975): 247-76; (1976): 27-58) on an ancient Chinese astronomical observation program.

747. KOO Mhan-Ock. "Choe Yuji (1603-1673) eui jugwonja – 17segi jungban joseon eui sugyeoksik honcheoneui-." Translated title: [Ch'oe Yuchi's chukwonja: a water operated armillary sphere developed in 17th-century Korea]. In Korean. *Han-kuk-sasangsahak* 9 (Dec.) (2005): 173–210.

The instrument was developed by Choe Yuji (1603-1673) and produced in May 1657.

748. LI Di. "A brief study of the Hui-Hui astronomical work in Nanjing during the Ming and Qing Dynasties." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 1 (2006): 110–113.

The Hui-Hui astronomy and calendar were introduced into China from the Arab world.

749. LU Ling-feng. "Eclipse records in historical documents of the Qing Dynasty and current research on them." [Translated title.] In Chinese. *Guangxi Minzu Xueyuan Xuebao* 12, no. 1 (2006): 32–36.

750. QU Anjing. *Zhongguo li fa yu shu xue.* Translated title: [The chinese calendar and mathematics]. In Chinese. (xi + 419 pp.; ill.; bibl.; index.) Beijing: Ke xue chu ban she, 2005. ISBN: 7030144678.

751. SMITHIES, Michael. "Eclipses in Siam, 1685 and 1688, and Their Representation." *J. Siam Soc.* 91 (2003): 189–204.

752. WANG Miao. "A study of Xing Yunlu's *Gujin Lvli Kao*." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 4 (2005): 92–97.

Gujin Lvli Kao, written in the late Ming China by Xing Yunlu, explores the history of calendrical astronomy from the ancient period to the 17th century, especially the computational algorithms of the Shoushi and Datong systems.

230-111. ASTROLOGY

753. SHI Yun-li and XING Gang. "The calculation and divination of lunar and solar eclipses during the Han Dynasty and their impact on astrological thought." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 2 (2006): 79–85.

230-113. CHEMISTRY

754. HERRMANN, Konrad. "Zur Beschreibung chemischer Verfahren in der altchinesischen Technologie-Enzyklopädie 'Tian gong kai wu' aus dem Jahre 1637." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 3–17.

230-114. ALCHEMY

755. PREGADIO, Fabrizio. *Great Clarity: Daoism and Alchemy in Early Medieval China.* Asian Religions and Cultures. (xvii + 367 pp.; ill.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2006. ISBN: 0804751773.

230-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

756. LIEBNER, Horst H. "Indigenous Concepts of Orientation of South Sulawesian Sailors." *BKI* 161 (2005): 269–317.

757. MING, Wan. "Reflections on the Study of Zheng He's Expeditions." *Ming Stud.* No. 49 (2004): 17–33.

758. MING, Wan. "Zheng He's Voyages to the Western Oceans: 3 Books, 1 Map, 1 Novel, 1 Play, and 7 Steles." *Ming Stud.* Nos. 51-52 (2005): 31–42.

759. ROBINSON, Kenneth R. "Chŏson Korea in the Ryūkoku *Kangnido*: Dating the Oldest Extant Korean Map of the World (15th Century)." *Imago Mundi* 59 (2007): 177–192.

760. TENG, Emma. *Taiwan's Imagined Geography: Chinese Colonial Travel Writing and Pictures, 1683–1895.* Harvard East Asian Monographs, 230. (xvi + 340 pp.; ill.; maps.) Cambridge, Mass.: Harvard University Asia Center, 2004. ISBN: 0674014510.

Reviews: [ref. R1347]

230-122. NATURAL HISTORY

761. ANKER, Peder, Larissa HEINRICH, Kapil RAJ, and Fa-ti FAN. "British Naturalists in the Contact Zone." *Metascience* 14 (2005): 155–169.

Review symposium including a reply by the author. Essay review of Fa-ti FAN, *British Naturalists in Qing China* (2004).

762. NAPPI, Carla Suzan. "The Monkey of the Inkpot: Natural History and Its Transformations in Early Modern China." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at Princeton University, 2006. Adviser: Naquin, Susan. UMI pub. no. 3227345. 284 pp. On a work of materia medica and natural history written by Ming scholar Li Shizhen (1518-1593).

230-123. ECOLOGY; ENVIRONMENTAL SCIENCES

(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

763. CHI'U Chung-lin. "A study of the Ming Dynasty's policy of grass burning to prevent a Mongolian invasion—and its ecological impact." [Translated title.] In Chinese. 38 (2006): 25–63.

230-131. BOTANY

(includes plant sciences)

764. OGAWA, Mariko, and Shōji ENDO. "The Language of Science: The Circulation of Knowledge in Translation." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 215–232.

On the translation of Western botanical works into Japanese in the 19th century, focusing on the efforts to develop suitable Japanese language terminology.

230-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

765. LIU, Xun. "In Search of Immortality: Daoist Inner Alchemy in Early Twentieth-Century China." *Diss. Abstr. Int. A* 63 (2002): 1956.

Dissertation at University of Southern California, 2001. Advisor: Charlotte Furth. UMI order no. 3054773. 474 pp.

230-140. SOCIAL SCIENCES, GENERAL WORKS

(includes criminology, demography, etc.)

766. BURMAN, Erica. "Between Orientalism and Normalization: Cross-Cultural Lessons from Japan for a Critical History of Psychology." Part of a special issue: "Power Matters: Knowledge Politics in the History of Psychology" [ref. 506]. *Hist. Psychol.* 10 (2007): 179–198.

A cross-cultural comparison of certain psychological aspects of Japanese and American peoples.

230-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

767. ALLAIRE, Cédric. "Corps, culture et rééducation: Première partie: Bases de réflexions concernant l'impact de la culture sur les représentations du corps sain et ses conséquences concrètes." *Rev. Quest. Sci.* 178 (2007): 187–218.

History of the body as seen through different cultures, with a focus on Japan.

768. BAY, Alexander R. "The Politics of Disease: Beriberi, Barley, and Medicine in Modern Japan (1700–1939)." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at Stanford University, 2006. Adviser: Duus, Peter. UMI pub. no. 3235179. 284 pp. "I trace the transition from the pre-modern world of Chinese medicine or kanpo to the modern world of western medicine." (from the abstract)

769. CH'IU Chung-lin. "Smallpox inoculation in China from the Ming to Qing Dynasties: regional spread, knowledge dissemination, and bacterin production." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 451–516.

Discusses the origin and spread of smallpox inoculations during the seventeenth and eighteenth centuries.

770. CHAN Chia-feng. " 'Even a virtuous hero would fall short': the development of pediatrics and its status from the Jin Dynasty to the Tang Dynasty." [Translated title.] In Chinese. *Xinshixue (New History)* 16, no. 2 (2005/6): 1–46.

771. CHANG Che-chia. "The ideas and contents of the medical section of the encyclopedia in the late Qing Dynasty." [Translated title.] In Chinese. *Taiwan Wenxue Yanjiu Jikan* 2 (2006): 59–78.

772. CHU Ping-yi. "Christianity and the rewriting of China's medical past: *Medical History: Past and Present*." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 4 (2006): 591–626.

On how Wang Honghan applies Western natural philosophy and Christianity to the interpretation of Chinese medical history from the ancient period until the seventeenth century.

773. CHU Ping-yi. "Narrations of histories of medicine from the Song Dynasty to the Ming Dynasty and the rise of the Confucian physician." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 401–450.

774. CONNOR, Linda H., and Geoffrey SAMUEL. (Eds.) *Healing Powers and Modernity: Traditional Medicine, Shamanism, and Science in Asian Societies.* (xiii + 283 pp.; ill.; bibl.; index; notes.) Westport, Conn.: Bergin & Garvey, 2001. ISBN: 0897897153.

Medical anthropology studies in Korea, Malaysia, Indonesia, India, China, and Tibet.

775. GARRETT, Frances. "Ordering Human Growth in Tibetan Medical and Religious Embryologies." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 31–52.

776. GOBLE, Andrew Edmund. "War and Injury: The Emergence of Wound Medicine in Medieval Japan." *Mon. Nipp.* 60 (2005): 297–338.

777. HAO Xian-zhong. "On Yu Yun-xiu, the leader of the 'abolish Chinese medicine' circle." [Translated title.] In Chinese. *J. Dial. Natur.* 26, no. 6 (2004): 72–76.

After studying modern medicine in Japan, Yu (1879–1954) sought to eliminate traditional medicine in China.

778. JANNETTA, Ann. *The Vaccinators: Smallpox, Medical Knowledge, and the "Opening" of Japan.* (xviii + 245 pp.; maps; ill.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2007. ISBN: 9780804754897.

779. LIN Fu-shih. "Healers or patients? The shaman's roles and images in Taiwan." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 76, no. 3 (2005): 511–568.

780. LIU Shu-fen. "Between self-cultivation and the monastic code: tea and medicinal soup during the Tang and Song Dynasties." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 357–400.

Discusses the practice of drinking tea and medicinal tonics in Buddhist monasteries.

781. PANDEY, Rajyashree. "Desire and Disgust: Meditations on the Impure Body in Medieval Japanese Narratives." *Mon. Nipp.* 60 (2005): 195–219.

Looks at meditations on the "foulness" of the physical body and on representations of the body and of human corpses.

782. PARK Yunjae. "Medical Policies toward Indigenous Medicine in Colonial Korea and India." *Korea J.* 46, no. 1 (2006): 198–224.

783. TAYLOR, Kim. "Divergent Interests and Cultivated Misunderstandings: The Influence of the West on Modern Chinese Medicine." *Soc. Hist. Med.* 17 (2004): 93–111.

784. VOLKMAR, Barbara. "The Concept of Contagion in Chinese Medical Thought: Empirical Knowledge *versus* Cosmological Order." *Hist. Phil. Life Sci.* 22 (2000): 147–165.

230-152. PUBLIC HEALTH; HEALTH; NUTRITION

785. CONLAN, Thomas D. "Thicker than Blood: The Social and Political Significance of Wet Nurses in Japan, 950-1330." *Harvard J. Asia. Stud.* 65 (2005): 159–205.

786. RONCARATI, Marco. "Health Care Development in a Changing Thai Society: Beyond the Physical." *J. Siam Soc.* 91 (2003): 205–222.
Discusses the relation to traditional medicine and the role of mind-body understanding as it pertains to medical care.

230-160. TECHNOLOGY, GENERAL WORKS *(includes architecture)*

787. DUAN Yao-yong. "The development of the idea of the fire protection and the technology of fire protection in China." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 3 (2005): 85–90.
Studies the economic, cultural, and political influences on the development of this technology.

788. FENG, Jiren. "The Song-Dynasty Imperial 'Yingzao fashi' (Building Standards, 1103) and Chinese Architectural Literature: Historical Tradition, Cultural Connotations, and Architectural Conceptualization." *Diss. Abstr. Int. A* 67/08 (2007).
Dissertation at Brown University, 2006. Adviser: Bickford, Maggie. UMI pub. no. 3227827. 376 pp.

789. ZHAO Rui-ting. "Traditional Chinese metal crafts during the Tang Dynasty." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 4 (2006): 513–517.

230-163. AGRICULTURE AND RELATED SCIENCES *(includes animal husbandry, forestry, and food science)*

790. JUNG Keun-Sik. "Colonial Modernity and the Social History of Chemical Seasoning in Korea." *Korea J.* 45, no. 2 (2005): 9–36.

240. INDIAN CONTEXTS

240-1. GENERAL HISTORIES OF SCIENCE *(includes interdisciplinary topics and biographies of scientists)*

791. AZAMI, Altaf Ahmad. (Ed.) *Tibb-i yunani aur Urdu zaban o adab.* (456 pp.; bibl.) New Delhi: Centre for History of Medicine and Science, Jamia Hamdard, 2004.
On the role of Unani medicine and science in the development of Urdu language and literature.

792. RAINA, Dhruv. "Jesuit Collections of Indian Scientific Manuscripts: Ideologies and Interpretations." *Indian J. Hist. Sci.* 42 (2007): 31–45.

793. SRIVATHSA, B. K., and M. A. NARASIMHAN. (Eds.) *Science and Technology in India through the Ages.* (xxviii + 284 pp.; ill.; bibl.; CD-ROM.) Melkote, India: Academy of Sanskrit Research, 2003.

240-103. MATHEMATICS

794. GUPTA, R. C. "*Yantras* or Mystic Diagrams: A Wide Area for Study in Ancient and Medieval Indian Mathematics." *Indian J. Hist. Sci.* 42 (2007): 163–204.

795. HAYASHI, Takao. "A Sanskrit Mathematical Anthology." *Sciamvs* 7 (2006): 175–211.

796. KELLER, Agathe. "Making Diagrams Speak, in Bhāskara I's Commentary on the *Āryabhatīya*." *Hist. Math.* 32 (2005): 275–302.

797. MISHRA, Vinod. "Similarity of Plane Figures: A Reflection in Indian Geometry." *Stud. Hist. Med. Sci.* 19 (2003): 95–114.

798. PARAKH, Abhishek. "Āryabhaṭa's Root Extraction Methods." *Indian J. Hist. Sci.* 42 (2007): 149–161.

799. ZHOU Chang and XU Ze-lin. "The Indian mathematician Bhāskara and his work *Līlāvātiī*." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 1 (2006): 67–73.
Includes a discussion of the content of the 12th-century book as well as its dissemination, based on the translation of English and Japanese versions.

240-110. ASTRONOMY AND COSMOLOGY

800. ABHYANKAR, K. D. "B. G. Tilak and Ancient Indian Astronomy—A Reappraisal." *Indian J. Hist. Sci.* 42 (2007): 223–233.

801. BALACHANDRA RAO, S., and S. K. UMA. "Karaṇakutūhalam of Bhāskarācārya II: An English Translation with Mathematical Explanation, Derivations, Examples, Tables and Diagrams." *Indian J. Hist. Sci.* 42, no. 1 (supplement) (2007): i-xv, S1-S41.
Handbook of Indian astronomy.

802. BALACHANDRA RAO, S., and S. K. UMA. "Karaṇakutūhalam of Bhāskarācārya II: An English Translation with Mathematical Explanation, Derivations, Examples, Tables and Diagrams." *Indian J. Hist. Sci.* 42, no. 2 (supplement) (2007): i-xv, S1-S108.

803. BHASKARACARYA. *Le Siddhantasiromani : l'oeuvre mathématique et astronomique de Bhaskaracarya.* edited by François PATTE. Hautes études orientales, 38. (2 vol.) Geneve: Droz, 2004. ISBN: 2600008950.
Reviews: [ref. R101]

804. DUKE, Dennis. "The Equant in India: The Mathematical Basis of Ancient Indian Planetary Models." *Arch. Hist. Exact Sci.* 59 (2005): 563–576.

805. DUKE, Dennis W. "The Second Lunar Anomaly in Ancient Indian Astronomy." *Arch. Hist. Exact Sci.* 61 (2007): 147–157.

806. HARI, K. Chandra. "Epoch of Lalla—An Overview." *Indian J. Hist. Sci.* 42 (2007): 235–242.
On the dating of Lalla, author of *Śiṣyadhīvṛddhida Tantra*, to around 749 A.D.

807. JOGLEKAR, Hrishikesh, Aniket SULE, and M. N. VAHIA. "In Search of Indian Records of Supernovae." *Indian J. Hist. Sci.* 42 (2007): 83–93.

808. PLOFKER, Kim. "The Astrolabe and Spherical Astronomy in Medieval India." *J. Hist. Astron.* 31 (2000): 37–54.

809. RATHNASREE, N., and Sanath KUMAR. "Possible Indian Records of Supernova 1054 AD?" *Indian J. Hist. Sci.* 42 (2007): 95–100.

810. SULE, Aniket, Mayank VAHIA, Hrishikesh JOGLEKAR, and Sudha BHUJLE. "Saptarṣi' Visit to Different *Nakṣatras*: Subtle Effect of Earth's Precession." *Indian J. Hist. Sci.* 42 (2007): 133–147.

240-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

811. DUBEY, R. K. "Souces of Gold in India as Described by Ṭhakkura Pherū—An Assessment." *Indian J. Hist. Sci.* 42 (2007): 1–11.

240-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

812. VARADARAJAN, Lotika. (Ed.) *The* Rahmani *of M. P. Kunhikunhi Malmi of Kavaratti: A Sailing Manual of Lakshadweep.* (xiv + 284 pp.; ill.; bibl.; index.) New Delhi: Manohar, 2004. ISBN: 817304287X.

Concerns the Lakshadweep islands off the coast of India in the Arabian Sea.

Reviews: [ref. R1390]

240-122. NATURAL HISTORY

813. SENSARMA, Priyadarsan. "Ethnobiological Information in Parāśara Saṃhitā." *Indian J. Hist. Sci.* 42 (2007): 117–132.

240-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

814. AZMI, Altaf Ahmad. *History of Unani Medicine in India.* (viii + 273 pp.; ill.; bibl.; index.) New Delhi: Centre for History of Medicine and Science, Jamia Hamdard, 2004.

Reviews: [ref. R46]

815. AZMI, Altaf Ahmad. "Introduction to ʿAin al-Ḥayāt, an Arabic Medical Manuscript of the Medieval Period in India." *Stud. Hist. Med. Sci.* 20 (2005): 95–116.

816. AZMI, Altaf Ahmad. "Unani Medicine during Babur's Reign (1526–1530 A.D.)." *Stud. Hist. Med. Sci.* 19 (2003): 1–17.

817. KUMAR, Deepak. "Medical Encounter Concepts and Practices in India: A Historical Outline." *Arch. Int. Hist. Sci.* 55 (2005): 357–366.

818. LANGFORD, Jean. *Fluent Bodies: Ayurvedic Remedies for Postcolonial Imbalance.* Body, Commodity, Text. (x + 311 pp.; ill.; bibl.; index.) Durham: Duke University Press, 2002. ISBN: 082232931X.

Reviews: [ref. R793]

819. MANOHAR, P. Ram. "Smoking and Āyurvedic Medicine in India." In *Smoke*, edited by GILMAN and ZHOU (2004) [ref. 587], 68–75.

820. TIWARI, Lalit, and P. C. PANDE. "Traditional Himalayan System of Medicine and Its Plants in Ayurvedic Texts: With Reference to *Suśruta Saṁhitā*." *Stud. Hist. Med. Sci.* 20 (2005): 45–60.

Comparison between traditional Himalayan medicine to Ayurvedic medicine.

821. YANO, Michio. "Medicine and Divination in India." *EASTM* 24 (2005): 44–61.

240-152. PUBLIC HEALTH; HEALTH; NUTRITION

822. PATI, Biswamoy, and Mark HARRISON. (Eds.) *Health, Medicine and Empire: Perspectives on Colonial India.* New Perspectives in South Asian History, 1. (x + 408 pp.; bibl.; index.) Hyderabad, India: Orient Longman, 2001. ISBN: 8125020179.

Contents: Biswamoy PATI and Mark HARRISON, "Introduction," 1-36; Mark HARRISON, "Medicine and Orientalism: Perspectives on Europe's Encounter with Indian Medical Systems," 37-77; Rosemary FITZGERALD, " 'Clinical Christianity': The Emergence of Medical Work as a Missionary Strategy in Colonial India, 1800-1914," 88-136; Waltraud ERNST, "Colonial Lunacy Policies and the Madras Lunatic Asylum in the Early Nineteenth Century," 137-164; James MILLS, "Indians into Asylums: Community Use of the Colonial Medical Institution in British India, 1857-1880," 165-187; Sanjiv KAKAR, "Medical Developments and Patient Unrest in the Leprosy Asylum, 1860 to 1940," 188-216; Sanjoy BHATTACHARYA, "Re-devising Jennerian Vaccines? European Technologies, Indian Innovation, and the Control of Smallpox in South Asia, 1850-1950," 217-269; Biswamoy PATI, " 'Ordering' 'Disorder' in a Holy City: Colonial Health Interventions in Puri during the Nineteenth Century," 270-298; Manjiri KAMAT, " 'The Palkhi as Plague Carrier': The Pandharpur Fair and the Sanitary Fixation of the Colonial State; British India, 1908-1916," 299-316; Neshat QUAISER, "Politics, Culture, and Colonialism: Unani's Debate with Doctory," 317-355; Anil KUMAR, "The Indian Drug Industry under the Raj, 1860-1920," 356-385.

240-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

823. CHOPRA, Rohit. "Mediated Visions: Technology and Nationalism in India from the Colonial Era to the Internet Age." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at Emory University, 2006. Adviser: Patton, Cynthia and Allen Tullos. UMI pub. no. 3234008. 369 pp.

240-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

824. MAURER, Petra. " 'Pferde haben keine Flügel mehr.' Das Kapitel über die Lage der Körperteile eines Pferdes aus einem hippologischen Traktat des Nakula." *Sudhoffs Arch.* 90 (2006): 106–119.

A short history of veterinary medicine in India from Vedic times with a focus on horses.

825. MAZARS, G. "Veterinary Medicine in Ancient and Medieval India." *Stud. Hist. Med. Sci.* 16 (1999/2000): 27–36.

250. JEWISH CONTEXTS

250-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

826. EFRON, Noah J. *Judaism and Science: A Historical Introduction.* Greenwood Guides to Science and Religion. (xx + 348 pp.; ill.; bibl.; index.) Westport, Conn.: Greenwood Press, 2006. ISBN: 0313330530.

827. KELLNER, Menachem. "Introduction." Special issue: "Commemorating the Eight Hundredth Anniversary of Maimonides' Death." *Jewish Hist.* 18 (2004): 125–128.

Contents: Kenneth SEESKIN, "Maimonides' Sense of History," 129–145; Y. Tzvi LANGERMANN, "Maimonides and Miracles: The Growth of a (Dis)belief," 147–172; Gerald J. BLIDSTEIN, "The 'Other' in Maimonidean Law," 173–195; Moshe IDEL, "Maimonides' 'Guide to the Perplexed' and the Kabbalah," 197–226.

828. MÉTRAUX, Alexandre. "Opening Remarks on the History of Science in Yiddish." Lead article in a special issue: "Science in Yiddish." *Sci. Context* 20 (2007): 145–162.

Contents: Irene E. ZWIEP, "Adding the Reader's Voice: Early-Modern Ashkenazi Grammars of Hebrew," 163–195; David SHNEER, "A Study in Red: Jewish Scholarship in the 1920s Soviet Union," 197–213; Gennady ESTRAIKH, "Jacob Lestschinsky: A Yiddishist Dreamer and Social Scientist," 215–237 [ref. 3252]; Deborah YALEN, " 'On the Social-Economic Front': The Polemics of Shtetl Research during the Stalin Revolution," 239–301 [ref. 2927]; Shlomo BERGER, "Interpreting Freud: The Yiddish Philosophical Journal *Davke* Investigates a Jewish Icon," 303–316 [ref. 3220]; Roland GRUSCHKA, "Tuvia Schalit's *Di spetsyele relativitets-teorye* of 1927 and Other Introductions to the Theory of Relativity in Yiddish," 317–339 [ref. 2984].

250-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

829. SELA, Shlomo, and Gad FREUDENTHAL. "Abraham Ibn Ezra's Scholarly Writings: A Chronological Listing." *Aleph* 6 (2006): 13–55.

250-28. SCIENCE AND RELIGION

830. GÓMEZ ARANDA, Mariano. "The Meaning of Qohelet According to Ibn Ezra's Scientific Explanations." *Aleph* 6 (2006): 339–370.

250-103. MATHEMATICS

831. LÉVY, Tony, and Charles BURNETT. "Sefer ha-Middot: A Mid-Twelfth-Century Text on Arithmetic and Geometry Attributed to Abraham Ibn Ezra." *Aleph* 6 (2006): 57–238.

Includes transcriptions of the Hebrew and Latin manuscript versions as well as an English translation and comentary.

250-111. ASTROLOGY

832. SMITHUIS, Renate. "Abraham Ibn Ezra's Astrological Works in Hebrew and Latin: New Discoveries and Exhaustive Listing." *Aleph* 6 (2006): 239–338.

250-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

833. TWIDALE, C. Rowl. "Jean-Henri Hassenfratz, Corestone Boulders and the Two-Stage or Etch Concept of Landform Development." *Earth Sci. Hist.* 25 (2006): 107–115.

250-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

834. PASSMORE, Ashley Alexandra. "Blut unserer Vaeter: Evolutionary Theory and Austrian-Jewish Literature of 1900." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at The University of Chicago, 2007. Advisor: Gilman, Sander L. Pub. no. AAT 3252244. 284 pp. Focuses on the works of Karl Emil Franzos, Richard Beer-Hofmann, and Theodor Herzl who "examined the dilemmas of Jewish cultural inheritance within the rubric of Darwinian evolution" from 1860 to 1900. (from the abstract)

250-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

835. SLAVET, Eliza Farro. "Freud's 'Moses': Memory Material and Immaterial." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, San Diego, 2007. Adviser: Henaff, Marcel. Pub. no. AAT 3252818. 341 pp. "I consider *Moses and Monotheism* as a serious work in which Freud proposes a theory of Jewishness—what it is, how it is transmitted, and how it continues to survive." (from the abstract)

250-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

836. CABALLERO-NAVAS, Carmen. (Ed.) *The Book of Women's Love and Jewish Medieval Medical Literature on Women: Sefer ahavat nashim.* Translated and edited by Carmen CABALLERO-NAVAS. Kegan Paul Library of Jewish Studies. (314 pp.; bibl.; index.) New York: Kegan Paul, 2004. ISBN: 0710307586.

Reviews: [ref. R195]

837. MAIMONIDES, Moses. *Maimonides on Asthma: A Parallel Arabic-English Text.* Edited, translated, and annotated by Gerrit BOS. Complete Medical Works of Moses Maimonides, 1. (165 pp.; bibl.; index.) Provo, Utah: Brigham Young University Press, 2002. ISBN: 0842524754.

Reviews: [ref. 841]

838. MAIMONIDES, Moses. *Medical Aphorisms, Treatises 1–5: A Parallel Arabic-English Edition.* Edited, translated, and annotated by Gerrit BOS. Complete Medical Works of Moses Maimonides. (xxxii + 156 pp.; bibl.; index.) Provo, Utah: Brigham Young University Press, 2004. ISBN: 0934893756.
Reviews: [ref. 842]

839. MYERS, David N. "Introduction: Reflections on the Discourse of the Body in Jewish Studies." Special issue: "Overcoming Matter?" *Jewish Quart. Rev.* 95 (2005): v-vi.
Contributors include: Leon WIESELTIER, Daniel BOYARIN, Barbara KIRSHENBLATT-GIMBLETT, Charlotte Elisheva FONROBERT, Sharon GILLERMAN, Elliot R. WOLFSON, and Galit HASAN-ROKEM

840. POPOVIĆ, Mladen. *Reading the Human Body: Physiognomics and Astrology in the Dead Sea Scrolls and Hellenistic–Early Roman Period Judaism.* Studies on the Texts of the Desert of Judah, 67. (xx + 346 pp.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9789004157170.

841. ZONTA, Mauro. Essay review. *Aestimatio* 1 (2004): 13–18.
Available at http://www.ircps.org/publications/aestimatio/pdf/2004-01-03_Zonta.pdf. Essay review of Moses MAIMONIDES, *Maimonides on Asthma* (2002) [ref. 837].

842. ZONTA, Mauro. Essay review. *Aestimatio* 2 (2005): 1–6.
Available at http://www.ircps.org/publications/aestimatio/pdf/2005-01-01_Zonta.pdf. Essay review of Moses MAIMONIDES, *Medical Aphorisms, Treatises 1–5* (2004) [ref. 838].

250-151. PSYCHIATRY; MEDICAL PSYCHOLOGY

(see also 136-Neurosciences and 137-Psychology)

843. SHOHAM-STEINER, Ephraim. "The Humble Sage and the Wandering Madman: Madness and Madmen in an Exemplum from *Sefer Ḥasidim*." *Jewish Quart. Rev.* 96 (2006): 38–49.

260. NATIVE AMERICAN CONTEXTS

260-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

844. CRUIKSHANK, Julie. *Do Glaciers Listen? Local Knowledge, Colonial Encounters, and Social Imagination.* Brenda and David McLean Canadian Studies Series. (xii + 312 pp.; ill.; maps; bibl.; index.) Vancouver: University of British Columbia Press, 2005. ISBN: 0295985135.
Discusses the contrasting understandings of nature by aboriginal peoples and Europeans in northwestern North America during the 18th and 19th centuries.
Reviews: [ref. R292]

845. SAFIER, Neil. "'...to Collect and Abridge ... without Changing Anything Essential': Rewriting Incan History at the Parisian Jardin du Roi." *Book Hist.* 7 (2004): 63–96.

260-110. ASTRONOMY AND COSMOLOGY

846. CHAPPELL, Sally Anderson. *Cahokia: Mirror of the Cosmos.* (xviii + 218 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2002. ISBN: 0226101363.
On the ancient Native American mound located near the Mississippi River in Illinois.
Reviews: [ref. R234]

847. HASSIG, Ross. *Time, History and Belief in Aztec and Colonial Mexico.* (xv + 220 pp.; ill.; bibl.; index.) Austin, TX: University of Texas Press, 2001. ISBN: 0292731396.
Deals with Aztec calendar-making, their use, and the concept of time.

848. KING, Timothy David. "The Constellation System of the Ancient Maya." *Diss. Abstr. Int. A* 66/11 (2006): 4071.
Dissertation at Stanford University, 2005. Adviser: Fox, James A. UMI pub. no. 3197454. 189 pp.

849. VILLALOBOS, Gerardo Aldana y. *The Apotheosis of Janaab' Pakal: Science, History, and Religion at Classic Maya Palenque.* Mesoamerican Worlds. (xxxiv + 230 pp.; ill.; index.) Boulder: University Press of Colorado, 2007. ISBN: 087081866X.
Exploration of classical Mayan astronomical culture.

260-122. NATURAL HISTORY

850. REEVES, Henry M. "Sahagún's 'Florentine Codex,' A Little Known Aztecan Natural History of the Valley of Mexico." *Arch. Natur. Hist.* 33 (2006): 302–321.

260-123. ECOLOGY; ENVIRONMENTAL SCIENCES

(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

851. NADASDY, Paul. "Transcending the Debate over the Ecologically Noble Indian: Indigenous Peoples and Environmentalism." *Ethnohist.* 52 (2005): 291–331.

852. THRUSH, Coll. "City of the Changers: Indigenous People and the Transformation of Seattle's Watersheds." Forum: "Water and West Coast Cities" [ref. 3626]. *Pacific Hist. Rev.* 75 (2006): 89–117.

260-131. BOTANY

(includes plant sciences)

853. GREENE, William Alexander. "Extracting Tradition: Nature, Culture, and Power in the Ethnobotany of Belize." *Diss. Abstr. Int. A* 67/02 (2006): 612.
Dissertation at University of California, Davis, 2005. Adviser: Smith, Carol A. UMI pub. no. 3203569. 297 pp. On past and present botanical healing traditions; includes a chapter on European imperialism and a discussion on intellectual property rights.

260-144. LINGUISTICS

854. QUISPE-AGNOLI, Rocío. “Cuando Occidente y los Andes se encuentran: *Qellqay*, escritura alfabética, y *tohkapu* en el siglo XVI.” *Col. Latin Amer. Rev.* 14 (2005): 263–298.

260-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

855. BEGAY, R. Cruz. “Changes in Childbirth Knowledge.” *Amer. Ind. Quart.* 28 (2004): 550–565.

856. KELM, Mary Ellen. “Diagnosing the Discursive Indian: Medicine, Gender, and the ‘Dying Race.’ ” *Ethnohist.* 52 (2005): 371–406.

857. LOZOYA, Xavier. “Natural History and Herbal Medicine in Sixteenth-Century America.” In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 29–50.

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859. ROBINSON, Martha K. “ ‘They Decrease in Numbers Daily’: English and Colonial Perceptions of Indian Disease in Early America.” *Diss. Abstr. Int. A* 66/11 (2006): 4160.

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260-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

860. CUREWITZ, Diane C. “Changing Ceramic Technology at Tyuonyi, New Mexico.” *Kiva* 70 (2004): 69–88.

861. GORDON, R., and R. KNOPF. “Metallurgy of Bronze Used in Tools from Machu Picchu, Peru.” *Archaeometry* 48 (2006): 57–76.

862. THOMAS, J. E., D. L. KIRNER, R. BURKY, K. SELSOR, R. E. TAYLOR, and J. R. SOUTHON. “Documentary, Archaeological, and Radiocarbon Evidence of Prehistoric and Protohistoric Petroleum Production in Pennsylvania.” *Oil-Indust. Hist.* 3 (2002): 19–33.

260-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

863. WALL, Dennis, and Virgil MASAYESVA. “People of the Corn: Teachings in Hopi Traditional Agriculture, Spirituality, and Sustainability.” *Amer. Ind. Quart.* 28 (2004): 435–453.

270. AFRICAN CONTEXTS

270-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

864. DUBOW, Saul. *A Commonwealth of Knowledge: Science, Sensibility, and White South Africa, 1820–2000.* (viii + 296 pp.; ill.; bibl.; index.) Oxford: Oxford University Press, 2006. ISBN: 0199296634.

“Hinges on the tension between colonial knowledge, conceived of as a universal, modernizing force, and its realization in the context of a society divided along complex ethnic and racial faultlines.” (from the publisher)

270-103. MATHEMATICS

865. GERDES, Paulus. *Sona Geometry from Angola: Mathematics of an African Tradition.* (232 pp.; ill.; bibl.) Monza: Polimetrica, 2006. ISBN: 8876990550.

270-123. ECOLOGY; ENVIRONMENTAL SCIENCES

(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

866. WALKER, Alan. “Foreword.” Special issue: “Lake Rudolf (Turkana) as Colonial Icon in East Africa.” *Ethnohist.* 53 (2006): 1–2.

Lead article. Contents: Mustafa Kemal MIRZELER, “Guest Editor’s Prelude,” 3–11; Pascal James IMPERATO, “Lake Rudolf as an Iconic Geographic Space in East Africa,” 13–33; Francis H. BROWN, Meave G. LEAKEY and John M. HARRIS, “A Brief History of Research at Koobi Fora, Northern Kenya,” 35–69; Lawrence H. ROBBINS, “Lake Turkana Archaeology: The Holocene,” 71–93; Robert O. COLLINS, “The Turkana Patrol of 1918 Reconsidered,” 95–119; Michael N. I. LOKURUKA and Pauline A. LOKURUKA, “Ramifications of the 1918 Turkana Patrol: Narratives by Ngturkana,” 121–141; James BARBER, “The Moving Frontier of British Imperialism in the Lake Rudolf Region, 1890-1919,” 143–172; Aneesa KASSAM, “The People of the Five ‘Drums’: Gabra Ethnohistorical Origins,” 173–193; Mustafa Kemal MIRZELER, “The Embodiment of the Voyage of Sir Vivian Fuchs to the South Island in the Elmolo Oral Tradition,” 195–219.

270-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

867. FLINT, Karen. “Competition, Race, and Professionalization: African Healers and White Medical Practitioners in Natal, South Africa in the Early Twentieth Century.” *Soc. Hist. Med.* 14 (2001): 199–221.

868. NAUTA, Lauren. “Medical Development in Colonial India: Seasonality, Specialization, and Efficacy in the Punjab Plains, 1870–1930.” *Diss. Abstr. Int. A* 67/03 (2006).

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869. RASMUSSEN, Susan J. *Those Who Touch: Tuareg Medicine Women in Anthropological Perspective.* (xii + 234 pp.; ill.; maps; bibl.; index.) DeKalb: Northern Illinois University Press, 2006. ISBN: 0875806104.

On the North-African women who practice herbal medicine.

Reviews: [ref. R1117]

270-151. PSYCHIATRY; MEDICAL PSYCHOLOGY

(see also 136-Neurosciences and 137-Psychology)

870. JACKSON, Lynette. *Surfacing Up: Psychiatry and Social Order in Colonial Zimbabwe, 1908-1968.* Cornell Studies in the History of Psychiatry. (xiii + 230 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2005. ISBN: 0801443105.

Reviews: [ref. R680]

270-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

871. DIGBY, Anne. "Self-Medication and the Trade in Medicine within a Multi-Ethnic Context: A Case Study of South Africa from the Mid-Nineteenth to Mid-Twentieth Centuries." *Soc. Hist. Med.* 18 (2005): 439–457.

270-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

872. ALPERN, Stanley B. "Did They or Didn't They Invent It? Iron in Sub-Saharan Africa." *Hist. Africa* 32 (2005): 41–94.

873. KRIGER, Colleen E. *Cloth in West African History.* The African Archaeology Series. (xviii + 214 pp.; ill.; maps; bibl.; index.) Lanham: AltaMira Press, 2006. ISBN: 0759104212.

270-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

874. ALLEN, William E. "Historical Methodology and Writing the Liberian Past: The Case of Agriculture in the Nineteenth Century." *Hist. Africa* 32 (2005): 21–39.

G. Chronological Classification

300. PREHISTORY AND EARLY HUMAN SOCIETIES

300-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

875. PAPAODYSSEUS, C. et al. “Distinct, Late Bronze Age (c. 1650 BC) Wall-Paintings from Akrotiri, Thera, Comprising Advanced Geometrical Patterns.” *Archaeometry* 48 (2006): 97–114.

300-103. MATHEMATICS

876. HØYRUP, Jens. “Geometrical Patterns in the Pre-Classical Greek Area: Prospecting the Borderland between Decoration, Art and Structural Inquiry.” *Rev. Hist. Math.* 6 (2000): 5–58.

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300-110. ASTRONOMY AND COSMOLOGY

877. CHAMBERLAIN, Von Del, John B. CARLSON, and M. Jane YOUNG. (Eds.) *Songs from the Sky: Indigenous Astronomical and Cosmological Traditions of the World.* Selected proceedings of the “First International Conference on Ethnoastronomy: Indigenous Astronomical and Cosmological Traditions of the World” held at the Smithsonian Institution, Washington D.C., 5-9 September 1983. Archaeoastronomy, 12 and 13. (xiv + 379 pp.; ill.; bibl.) Bognor Regis: Ocarina Books, 2005. ISBN: 0954086724.

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Reviews: [ref. R229]

878. GONZÁLEZ-GARCÍA, A. César, and Lourdes COSTA-FERRER. “Orientations of TRB-West Megalithic Monuments.” *J. Hist. Astron.* 37 (2006): 417–427.

879. KELLEY, David H., and E. F. MILONE. *Exploring Ancient Skies: An Encyclopedic Survey of Archaeoastronomy.* (xxv + 612 pp.; ill.; bibl.; index.) New York: Springer, 2005. ISBN: 0387953108.

Reviews: [ref. R718]

880. KÜNZL, Ernst. *Himmelsgloben und Sternkarten: Astronomie und Astrologie in Vorzeit und Altertum.* (127 pp.; ill.; bibl.; index.) Stuttgart: Theiss, 2005. ISBN: 3806218595.

Reviews: [ref. R783]

300-113. CHEMISTRY

881. LAMBERT, Jospeh B. “The Deep History of Chemistry.” *Bull. Hist. Chem.* 30 (2005): 1–9.

Discusses the use of chemical reactions by preliterate societies.

300-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

882. KRISHNAN, K., I. C. FREESTONE, and A. P. MIDDLETON. “The Technology of ‘Glazed’ Reserved Slip Ware: A Fine Ceramic of the Harappan Period.” *Archaeometry* 47 (2005): 691–703.

883. MARITAN, L., C. MAZZOLI, V. MICHIELIN, D. MORANDI BONACOSSI, M. LUCIANI, and G. MOLIN. “The Provenance and Production Technology of Bronze Age and Iron Age Pottery from Tell Mishrifeh/Qatna (Syria).” *Archaeometry* 47 (2005): 723–744.

311. ANCIENT NEAR EASTERN CONTEXTS

311-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

884. ABUSCH, Tzvi. *Mesopotamian Witchcraft: Toward a History and Understanding of Babylonian Witchcraft Beliefs and Literature.* Studies in Ancient Magic and Divination, 5. (xvi + 314 pp.; bibl.; index.) Leiden: Brill Styx, 2002. ISBN: 9004123873.

311-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

885. HABASHI, Fathi. “Zoroaster and the Theory of Four Elements.” *Bull. Hist. Chem.* 25 (2000): 109–115.

886. HANNAH, Robert. Essay review. *Aestimatio* 1 (2004): 131–137.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2004-12-03_Hannah.pdf`. Essay review of Jean BOTTÉRO, Clarisse HERRENSCHMIDT, and Jean Pierre VERNANT, *Ancestor of the West* (2000).

311-103. MATHEMATICS

887. IMHAUSEN, Annette. “Egyptian Mathematical Texts and Their Contexts.” *Sci. Context* 16 (2003): 367–389.

888. MUROI, Kazou. “Quadratic Equations in the Susa Mathematical Text No. 21.” *Sciamvs* 1 (2000): 3–10.

889. PROUST, Christine. “La multiplication babylonienne : la part non écrite du calcul.” *Rev. Hist. Math.* 6 (2000): 293–303.

Explores how errors in calcuations with numbers of more than five sexagesimal places might reveal the use of some kind of a counting instrument based on the five digits of a person’s hand.

890. ROBSON, Eleanor. Essay review. *Aestimatio* 1 (2004): 73–79.

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891. ROBSON, Eleanor. "Mathematical Cuneiform Tablets in Philadelphia Part 1: Problems and Calculations." *Sciamvs* 1 (2000): 11–48.

892. STEELE, John M. Essay review. *Aestimatio* 1 (2004): 1–4.
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893. SYMONS, Sarah. Essay review. *Aestimatio* 2 (2005): 11–15.
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311-110. ASTRONOMY AND COSMOLOGY

894. BELMONTE, Juan Antonio. "Egyptian Astronomy." *J. Hist. Astron.* 37 (2006): 356–359.
Essay review of José LULL, *La astronomía en el Antiguo Egipto* (2005) [ref. 901].

895. BRITTON, John P., and Alexander JONES. "A New Babylonian Planetary Model in a Greek Source." *Arch. Hist. Exact Sci.* 54 (2000): 349–373.

896. BRITTON, John P. "Studies in Babylonian Lunar Theory: Part I. Empirical Elements for Modeling Lunar and Solar Anomalies." *Arch. Hist. Exact Sci.* 61 (2007): 83–145.

897. GOLDSTEIN, Bernard R. Essay review. *Aestimatio* 1 (2004): 122–125.
Available at http://www.ircps.org/publications/aestimatio/pdf/2004-12-01_Goldstein.pdf. Essay review of Peter J. HUBER and Salvo DE MEIS, *Babylonian Eclipse Observations from 750 BC to 1 BC* (2004) [ref. 898].

898. HUBER, Peter J., and Salvo DE MEIS. *Babylonian Eclipse Observations from 750 BC to 1 BC.* (v + 291 pp.; ill.; bibl.) Milano: Mimesis, 2004. ISBN: 8884832136.
Reviews: [ref. 897]

899. JONES, Alexander. "A Study of Babylonian Observations of Planets Near Normal Stars." *Arch. Hist. Exact Sci.* 58 (2004): 475–536.

900. LULL, José, and Juan Antonio BELMONTE. "A Firmament above Thebes: Uncovering the Constellations of Ancient Egyptians." *J. Hist. Astron.* 37 (2006): 373–392.

901. LULL, José. *La astronomía en el Antiguo Egipto.* (372 pp.; ill.; bibl.) Valencia: Universitat de València, 2005. ISBN: 8437060494.
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902. MERCIER, Raymond. "The Standard Scheme of the Moon and Its Mean Quantities." *Arch. Hist. Exact Sci.* 61 (2007): 255–272.
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903. REINER, Erica. *Babylonian Planetary Omens: Part IV.* In collaboration with David PINGREE. Cuneiform Monographs, 30. (x + 217 pp.; ill.; bibl.) Leiden: Brill-Styx, 2005. ISBN: 9004142126.
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Reviews: [ref. R1123]

904. ROUGHTON, N. A., J. M. STEELE, and C. B. F. WALKER. "A Late Babylonian Normal and Ziqpu Star Text." *Arch. Hist. Exact Sci.* 58 (2004): 537–572.

905. SCHAEFER, Bradley E. "The Heliacal Rise of Sirius and Ancient Egyptian Chronology." *J. Hist. Astron.* 31 (2000): 149–155.

906. STEELE, J. M. "Celestial Measurement in Babylonian Astronomy." *Ann. Sci.* 64 (2007): 293–325.
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907. STEELE, John M. "Eclipse Prediction in Mesopotamia." *Arch. Hist. Exact Sci.* 54 (2000): 421–454.

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311-111. ASTROLOGY

909. HUNGER, Hermann. Essay review. *Aestimatio* 1 (2004): 163–166.
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311-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

911. SCHNEIDER, Horst. "Das Ibis-Kapitel im Physiologus." *Vigiliae Christianae* 56 (2002): 151–164.

311-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

912. FINKEL, Irving L., and Markham J. GELLER. (Eds.) *Disease in Babylonia.* Cuneiform Monographs, 36. (viii + 226 pp.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9004124012.
Contents (from WorldCat): Marten STOL, "Fevers in Babylonia," 1-39; Nathan WASSERMANN, "Between Magic and Medicine—Apropos of an Old Babylonian Therapeutic Text against the Kurarum Disease," 40-61; J. V. Kinnier WILSON, "Infantile and Childhood Convulsions and SA.GIG XXIX," 62-66; J. V. Kinnier WILSON and E. H. REYNOLDS, "On Stroke and Facial Palsy in Babylonian Texts," 67-99; Volkert HAAS, "Hittite Rituals against Threats and Other Diseases and Their Relationship to the Mesopotamian Traditions," 100-119; Nils P. HEESSEL, "The Hands of the Gods: Disease Names, and Divine Anger," 120-130; Hector AVALOS, "Epilepsy in Mesopotamia Reconsidered," 131-136; Walter FARBER, "Lamastu—Agent of a Specific Disease

or a Generic Destroyer of Health?" 137-145; Tzvi ABUSCH, "Witchcraft, Impotence, and Indigestion," 146-159; Theodore KWASMAN, "The Demon of the Roof," 160-186; Markham J. GELLER, "Phlegm and Breath—Babylonian Contributions to Hippocratic Medicine," 187-199; John M. RIDDLE, "Women's Medicines in Ancient Jewish Sources: Fertility Enhancers and Inhibiters," 200-214; Ellis DOUEK, "Ancient and Contemporary Management in a Disease of Unknown Aetiology," 215-226.

913. FISCHER-ELFERT, Hans-Werner. (Ed.) *Papyrus Ebers und die antike Heilkunde.* Akten der Tagung vom 15.–16. 3. 2002 in der Albertina/UB der Universität Leipzig. Philippika, 7. (147 pp.; ill.; bibl.) Wiesbaden: Harrassowitz, 2005. ISBN: 3447052090.

Contents: Hans-Werner FISCHER-ELFERT, "Einleitung," 7-10; Gundolf KEIL, "Der Papyrus Ebers und die Medizin des Abendlandes," 11-40; Christian LEITZ, "Die Rolle von Religion und Naturbeobachtung bei der Auswahl der Drogen im Papyrus Ebers," 41-62; Joachim F. QUACK, "Tabuisierte und ausgegrenzte Kranke nach dem 'Buch vom Tempel,' " 63-80; Joachim STEPHAN, "Medizinschulen im Alten Ägypten und der Einfluß ihrer Lehren auf die griechische Medizin," 81-102; Eugen STROUHAL, "Evidence of Some Rare Pathologies from the New Kingdom Necropolis at Saqqara," 103-120; Ulrich WESER, "Biochemische Grundlagen für den Gebrauch von Kupfer, Eisen und Blei in der altägyptischen Medizin zur Zeit des Papyrus Ebers," 121-132; Hans-Werner FISCHER-ELFERT, "Pap. Ebers Nr. 1-3 – Reflexionen eines altägyptischen Heilers über seine Initiation?" 133-148.

Reviews: [ref. R433]

914. SCURLOCK, JoAnn. *Magico-Medical Means of Treating Ghost-Induced Illnesses in Ancient Mesopotamia.* Studies in Ancient Magic and Divination, 3. (xi + 788 pp.; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9004123970.

915. STOL, Marten. *Birth in Babylonia and the Bible: Its Mediterranean Setting.* With a chapter by F. A. M. WIGGERMANN. (x + 276 pp.; ill.; bibl.; index.) Groningen: Styx, 2000. ISBN: 9072371895.

This is a fully re-worked edition of a 1983 publication written in Dutch.

311-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

916. WILSON, James Kinnier. "Notes on the Assyrian Pharmaceutical Series Uru.an.na: *Mašakal*." *J. Near East. Stud.* 64 (2005): 45–51.

312. ANCIENT GREEK AND ROMAN CONTEXTS

312-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

917. BEAGON, Mary. Essay review. *Aestimatio* 3 (2006): 32–38.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2006-02-02_Beagon.pdf`. Essay review of Trevor MURPHY, *Pliny the Elder's Natural History* (2004) [ref. 924].

918. FALCON, Andrea. *Aristotle and the Science of Nature: Unity without Uniformity.* (xvii + 139 pp.; bibl.; index.) Cambridge: Cambridge University Press, 2005. ISBN: 0521854393.

Chapter titles: "The Unity, Structure, and Boundaries of Aristotle's Science of Nature"; "Bodies"; "Motions"; and "The Limits of Aristotle's Science of Nature."

Reviews: [ref. R408]

919. GOUREVITCH, Danielle. "Mirko D. Grmek et les études anciennes." Part of a special issue in honor of the late Mirko D. Grmek [ref. 91]. *Hist. Phil. Life Sci.* 23 (2001): 29–37.

920. GRAHAM, Daniel W. Essay review. *Aestimatio* 1 (2004): 80–85.

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921. GRAHAM, Daniel W. *Explaining the Cosmos: The Ionian Tradition of Scientific Philosophy.* (xiii + 344 pp.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2006. ISBN: 0691125406.

Reviews: [ref. R524]

922. LAUTNER, Peter. Essay review. *Aestimatio* 2 (2005): 163–168.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2005-12-03_Lautner.pdf`. Essay review of Christoph RIEDWEG, *Pythagoras* (2005).

923. MARCOVICH, Miroslav. *Heraclitus: Greek Text with a Short Commentary.* Second edition. International Pre-Platonic Studies, 2. (xxvi + 680 pp.; bibl.; index.) Sankt Augustin, Germany: Academia, 2002. ISBN: 3896651714.

First edition published in 1967.

Reviews: [ref. 920]

924. MURPHY, Trevor. *Pliny the Elder's Natural History: The Empire in the Encyclopedia.* (233 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2004. ISBN: 0199262888.

Reviews: [ref. 917]

925. YAN Bing. "Aristotle and the end of Greek science." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 1 (2005): 47–52.

312-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

926. RIHLL, Tracey E. Essay review. *Aestimatio* 1 (2004): 44–50.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2004-03-01_Rihll.pdf`. Essay review of Georgia L. IRBY-MASSIE and Paul T. KEYSER, *Greek Science of the Hellenistic Era* (2002).

312-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

927. LEHOUX, Daryn. "Laws of Nature and Natural Laws." *Stud. Hist. Phil. Sci.* 37 (2006): 527–549.
Studies the intersections of nature and law as a political form in antiquity.

312-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

928. CLAY, Jenny Strauss. *Hesiod's Cosmos.* (xii + 202 pp.; index; bibl.) Cambridge, U.K.; New York: Cambridge University Press, 2003. ISBN: 0521823927.
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Reviews: [ref. 930]

929. KOSAK, Jennifer Clarke. *Heroic Measures: Hippocratic Medicine in the Making of Euripidean Tragedy.* Studies in Ancient Medicine, 30. (x + 229 pp.; bibl.; index.) Leiden; Boston: Brill, 2004. ISBN: 9004139931.

930. REYNOLDS, Joshua J. Essay review. *Aestimatio* 2 (2005): 16–23.
Available at http://www.ircps.org/publications/aestimatio/pdf/2005-02-02_Reynolds.pdf. Essay review of Jenny Strauss CLAY, *Hesiod's Cosmos* (2003) [ref. 928].

931. RUSSO, Ruth. "The Heart of Steel: A Metallurgical Interpretation of Iron in Homer." *Bull. Hist. Chem.* 30 (2005): 23–29.

312-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

932. WIANS, William. Essay review. *Aestimatio* 2 (2005): 42–48.
Available at http://www.ircps.org/publications/aestimatio/pdf/2005-04-02_Wians.pdf. Essay review of Robert MAYHEW, *The Female in Aristotle's Biology* (2004).

312-28. SCIENCE AND RELIGION

933. BOUSTAN, Raʿanan S., and Annette Yoshiko REED. (Eds.) *Heavenly Realms and Earthly Realities in Late Antique Religions.* (xiii + 335 pp.; bibl.; index.) Cambridge, U.K.; New York: Cambridge University Press, 2004. ISBN: 0521831024.
Partial contents: Peter SCHÄFER, "In Heaven As It Is in Hell: The Cosmology of *Seder Rabbah di-Bereshit*," 233-274; Radcliffe G. EDMONDS, III, "The Faces of the Moon: Cosmology, Genesis and the *Mithras Liturgy*," 275-295; Susanna ELM, " 'O Paradoxical Fusion!': Gregory of Nazianzus on Baptism and Cosmology (*Orations* 38–40)," 296-316.
Reviews: [ref. 934]

934. PHILLIPS, C. Robert. Essay review. *Aestimatio* 2 (2005): 73–83.
Available at http://www.ircps.org/publications/aestimatio/pdf/2005-06-04_Phillips.pdf. Essay review of Raʿanan S. BOUSTAN and Annette Yoshiko REED (eds.), *Heavenly Realms and Earthly Realities in Late Antique Religions* (2004) [ref. 933].

312-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

935. FRANKFURTER, David. "Fetus Magic and Sorcery Fears in Roman Egypt." *Greek Roman Byzantine Stud.* 46 (2006): 37–62.

312-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

936. AHBEL-RAPPE, Sara. Essay review. *Aestimatio* 3 (2006): 39–43.
Available at http://www.ircps.org/publications/aestimatio/pdf/2006-03-01_Ahbel-Rappe.pdf. Essay review of Andrew SMITH, *Philosophy in Late Antiquity* (2004).

937. ALLEN, James. *Inference from Signs: Ancient Debates about the Nature of Evidence.* (x + 279 pp.; bibl.; index.) New York: Oxford University Press, 2001. ISBN: 0198250940.
Reviews: [ref. 949]

938. BERTI, Enrico. "Che cosa rimane oggi della *Metafisica* di Aristotele?" *Acta Phil.* 15 (2006): 273–286.

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312-151. PSYCHIATRY; MEDICAL PSYCHOLOGY *(see also 136-Neurosciences and 137-Psychology)*

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312-160. TECHNOLOGY, GENERAL WORKS *(includes architecture)*

1032. ACERBI, Fabio. Essay review. *Aestimatio* 1 (2004): 126–130.
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312-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1040. THURMOND, David L. *A Handbook of Food Processing in Classical Rome: For Her Bounty No Winter.* Technology and Change in History, 9. (x + 294 pp.; ill.; index; bibl.) Leiden; Boston: Brill, 2006. ISBN: 9789004152366.

320. MEDIEVAL WESTERN EUROPEAN CONTEXTS

(4th through 14th centuries)

320-1. GENERAL HISTORIES OF SCIENCE

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1041. DESCHAUX, Robert. "Progrès, science et raison dans le *Champion des Dames* de Martin Le Franc." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 211–217.

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1045. SIRAT, Colette, Sara KLEIN-BRASLAVY, and Olga WEIJERS. (Eds.) *Les méthodes de travail de Gersonide et le maniement du savoir chez les scolastiques.* Etudes de philosophie médiévale, 86. (394 pp.; bibl.; index.) Paris: J. Vrin, 2003. ISBN: 2711616010.

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1046. TWOMEY, Michael W. "Inventing the Encyclopedia." In *Schooling and Society*, edited by MACDONALD and TWOMEY (2004) [ref. 1058], 73–92.

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320-3. SOURCES OF INFORMATION

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320-4. ENCYCLOPEDIAS; DICTIONARIES; REFERENCE WORKS

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320-28. SCIENCE AND RELIGION

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320-42. SCIENCE EDUCATION

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320-110. ASTRONOMY AND COSMOLOGY

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320-111. ASTROLOGY

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320-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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Reviews: [ref. R240]

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Reviews: [ref. R302]

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1114. IRÁS, Krisztina. "Hungary on Two Portolan Charts by Angelino Dulcert (1325/30, 1339)." *Imago Mundi* 59 (2007): 223–231.

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320-122. NATURAL HISTORY

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Reviews: [ref. R1010]

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320-131. BOTANY

(includes plant sciences)

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320-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1121. BAKER, Craig Alexander. "Etude et édition critique de la version longue du 'Bestiaire' attribuée à Pierre de Beauvais." *Diss. Abstr. Int. A* 64/12 (2004): 4486.

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1122. DINES, Ilya. "The Hare and Its Alter Ego in the Middle Ages." *Reinardus* 17 (2004): 73–84.

1123. STRUBEL, Armand. "Bêtes rouges et bêtes noires : à propos d'une classification cynégétique." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 717–728.

320-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

1124. KLEINSCHMIDT, Harald. *Perception and Action in Medieval Europe.* (viii + 198 pp.; ill.; bibl.; index.) Rochester, NY: Boydell Press, 2005. ISBN: 1843831465.

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Reviews: [ref. R742]

320-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

1125. BAZIN-TACCHELLA, Sylvie. "*Lequel* dans la traduction française de la *Chirurgia Magna* de Guy de Chauliac : un outil de cohésion." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 37–53.

1126. BOUGHAN, Kurt Martin. "Beyond Diet, Drugs, and Surgery: Italian Scholastic Medical Theorists on the Animal Soul, 1270–1400." *Diss. Abstr. Int. A* 67/08 (2007).

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1133. FURDELL, Elizabeth Lane. (Ed.) *Textual Healing: Essays on Medieval and Early Modern Medicine.* Studies in Medieval and Reformation Traditions, 110. (xvii + 287 pp.; ill.; bibl.; index.) Boston: Brill, 2005. ISBN: 9004146636.

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1138. JANKRIFT, Kay Peter. *Mit Gott und schwarzer Magie: Medizin im Mittelalter.* (173 pp.; ill.; bibl.; index.) Darmstadt: Wissenschaftliche Buchgesellschaft, 2005. ISBN: 3806219508.

1139. KLEMM, Matthew. "Medicine and Moral Virtue in the *Expositio Problematum Aristotelis* of Peter of Abano." *Early Sci. Med.* 11 (2006): 302–335.

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1142. MCVAUGH, Michael R. "Niccolò da Reggio's Translations of Galen and Their Reception in France." *Early Sci. Med.* 11 (2006): 275–301.

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1144. NOCKELS FABBRI, Christiane. "Continuity and Change in Late Medieval Plague Medicine: A Survey of 152 Plague Tracts from 1348 to 1599." *Diss. Abstr. Int. A* 67/04 (2006).
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1148. SERRANO LARRÁYOZ, Fernando. *Medicina y enfermedad en la corte de Carlos III El Noble de Navarra (1387–1425).* Colección Temas de historia de la medicina, 2. (289 pp.; ill.; maps; bibl.; index.) Pamplona: Fondo de Publicaciones del Gobierno de Navarra, 2004. ISBN: 842352583X.
Reviews: [ref. R1248]

1149. STEGER, Florian, and Kay Peter JANKRIFT. (Eds.) *Gesundheit, Krankheit: Kulturtransfer medizinischen Wissens von der Spätantike bis in die Frühe Neuzeit.* Beihefte zum Archiv für Kulturgeschichte, 55. (vi + 267 pp.; bibl.) Köln: Böhlau, 2004. ISBN: 3412138037.
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167-199; Florian STEGER, "Medizinische Streitkultur im 16. Jahrhundert. Zu einer kulturellen Kontextualisierung von Georgius Agricola 'Bermannus sive de re metallica Dialogus' (1528)," 201-218; Daniel SCHÄFER, " 'De senectute.' Zur Rezeption medizinischen und nicht-medizinischen Wissens der Antike in der frühneuzeitlichen Altenheilkunde," 219-236; Sandra POTT, " 'Medicus poeta.' Poetisierung medizinischen Wissens über Pest und Blässe: Hans Folz und einige unbekannte Mediziner-Dichter," 237-261.

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1151. SWEET, Victoria. *Rooted in the Earth, Rooted in the Sky: Hildegard of Bingen and Premodern Medicine.* Studies in Medieval History and Culture. (xviii + 326 pp.; ill.; bibl.; index.) New York: Routledge Press, 2006. ISBN: 0415976340.

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1155. VILANOVA, Arnau de. *Arnaldi de Villanova opera medica omnia.* edited by Luis García BALLESTER, J. A. PANIAGUA, A. LABARTA, and M. R. MCVAUGH. (625 pp.; bibl.) Barcelona: Publicacions de la Universitat de Barcelona, 2004. ISBN: 8497792408.

Reviews: [ref. R1396]

320-152. PUBLIC HEALTH; HEALTH; NUTRITION

1156. LEÓN GÓMEZ, José Luis. "La atención pastoral de los enfermos. El derecho particular de las diócesis españolas desde el IV Concilio de Letrán al Concilio de Trento." Translated title: [Pastoral care of the sick. Local laws in the dioceses of Spain from the IV Lateran Council to the Council of Trent]. In Spanish. *Diss. Abstr. Int. C* 65/02 (2004): 335.

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320-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

1157. BÉNÉZET, Jean-Pierre. *Pharmacie et médicament en Méditerranée occidentale (XIII^e–XVI^e siècles).* Sciences, techniques et civilisations du Moyen Age à l'aube des Lumières, 3. (794 pp.; ill.; bibl.; index.) Paris: Champion, 1999. ISBN: 2745300016.

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1159. GUÉNOUN, Anne-Sylvie. "Le Médicament chez Gérard de Solo, Médecin Montpelliérain du XIV^e Siècle." *Rev. Hist. Pharm.* 47 (1999): 465–474.

320-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

1160. ALEGRÍA SUESCUN, David. "Aprovechamientos hidraulicos en las ciudades Navarras (siglos XII–XIV)." Translated title: [Hydraulic resources in medieval towns of Navarra (12th–14th Centuries)]. In Spanish. *Diss. Abstr. Int. C* 65/02 (2004): 329.

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1161. HILAIRE-PÉREZ, Liliane, and Catherine VERNA. "Dissemination of Technical Knowledge in the Middle Ages and the Early Modern Era: New Approaches and Methodological Issues." *Tech. Cult.* 47 (2006): 536–565.

1162. WORTHEN, Shana Sandlin. "The Memory of Medieval Inventions, 1200–1600: Windmills, Spectacles, Mechanical Clocks, and Sandglasses." *Diss. Abstr. Int. A* 67/06 (2006).

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330. RENAISSANCE WESTERN EUROPEAN CONTEXTS

(15th and 16th centuries; see also 320-Medieval for topics beginning earlier)

330-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1163. FUENTES SAGAZ, Manuel de. (Ed.) *Miguel Serveto o Miguel de Villanueva: commemoración del 450 aniversario de la muerte de Miguel Servet, 1553.* Colección Temas de historia de la medicina, 1. (286 pp.; ill.; bibl.) Pamplona: Fondo de Publicaciones del Gobierno de Navarra, 2004. ISBN: 8423525031.

Reviews: [ref. R466]

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1165. JUŚKIEWICZ, Lucyna. *Giordano Bruno: Zmagania z nieskończonością.* (228 pp.; bibl.; index.) Warszawa: Semper, 2003. ISBN: 8389100290.

1166. KEMP, Martin. *Leonardo da Vinci: The Marvellous Works of Nature and Man.* Revised edition. (xxix + 381 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0192807250.

1167. KÜHLMANN, Wilhelm, and Joachim TELLE. (Eds.) *Corpus Paracelsisticum II: Dokumente frühneuzeitlicher Naturphilosophie in Deutschland. Der Frühparacelsismus: Zweiter Teil.* Corpus Paracelsisticum, 2. (xi + 1090 pp.; index.) Tübingen: Niemeyer, 2004. ISBN: 3484365897.

Reviews: [ref. R779]

1168. PASTORE, Alessandro, and Enrico PERUZZI. (Eds.) *Girolamo Fracastoro: Fra medicina, filosofia e scienze della natura: Atti del convegno internazionale di studi in occasione del 450. anniversario della morte, Verona-Padova 9–11 ottobre 2003.* Studi e testi, 58. (362 pp.; ill.; bibl.; index.) Firenze: L.S. Olschki, 2006. ISBN: 8822255232.

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1169. RANKIN, Alisha. "Becoming an Expert Practitioner: Court Experimentalism and the Medical Skills of Anna of Saxony (1532–1585)." *Isis* 98 (2007): 23–53.

1170. SHEA, William R. *Designing Experiments and Games of Chance: The Unconventional Science of Blaise Pascal.* (xii + 354 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications, 2003. ISBN: 0881353760.

Reviews: [ref. R1261]

1171. SMETS, An. "Coping with Daily Domestic Problems during the Renaissance: Some Answers Provided by MS. Dibner Library 5B." *Arch. Int. Hist. Sci.* 55 (2005): 367–381.

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1172. SMITH, Pamela H. Essay review. *Aestimatio* 3 (2006): 48–51.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2006-05-01_Smith.pdf`. Essay review of Gianna POMATA and Nancy G. SIRAISI (eds.), *Historia* (2005).

1173. TELLE, Joachim. "Paracelsus in pseudoparacelsischen Briefen." *Ber. Wissenschaftsgesch.* 27 (2004): 149–160.

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1174. VAN DEN ABEELE, Baudouin. "The *Macrologus* of Liège: An Encyclopedic Lexicon at the Dawn of Humanism." In *Schooling and Society*, edited by MACDONALD and TWOMEY (2004) [ref. 1058], 43–60.

330-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1175. BALDASSO, Renzo. "The Role of Visual Representation in the Scientific Revolution: A Historiographic Inquiry." *Centaurus* 48 (2006): 69–88.

330-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

1176. ALGAZI, Gadi. "Eine gelernte Lebensweise: Figurationen des Gelehrtenlebens zwischen Mittelalter und Früher Neuzeit." *Ber. Wissenschaftsgesch.* 30 (2007): 107–118.

On the erosion of celibacy in universities and its effect on scholarly activities, in particular the

shaping of a “systematically rationalized way of life” within a family context.

1177. PASSANNANTE, Gerard Paul. “The Lucretian Renaissance: Ancient Poetry and Humanism in an Age of Science.” *Diss. Abstr. Int. A* 68/01 (2007): 181.

Dissertation at Princeton University, 2007. Advisor: Barkan, Leonard, Anthony Grafton, and Nigel Smith. Pub. no. AAT 3250023. 293 pp. On how *De rerum natura* was received in the Renaissance, and its “radical guide for the transmission and renovation of ancient wisdom” and relation to humanism from the late 15th to the 17th centuries. (from the abstract)

330-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1178. BLANK, Paula. *Shakespeare and the Mismeasure of Renaissance Man.* (214 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2006. ISBN: 9780801444753.

“Argues that Shakespeare, in his experiments with measurement, demonstrates the incommensurability of the aims and operations of quantification with human experience.” (from the publisher)

1179. BRANAGAN, David. “Geology and the Artists of the Fifteenth and Sixteenth Centuries, Mainly Florentine.” In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 31–42.

1180. GIORDANO, Michael J. “Reverse Transmutations: Béroalde de Verville’s Parody of Paracelsus in *Le Moyen de parvenir*: An Alchemical Language of Skepticism in the French Baroque.” *Renaiss. Quart.* 56 (2003): 88–137.

1181. HOCKNEY, David. *Secret Knowledge: Rediscovering the Lost Techniques of the Old Masters.* (296 pp.; ill.; bibl.; index.) New York: Viking Studio, 2001. ISBN: 0670030260.

Argues that 15^{th}-century painters used optical instruments.

1182. KEMP, Martin. *Leonardo Da Vinci: Experience, Experiment and Design.* (ix + 213 pp.; ill.; bibl.; index.) Princeton: Princeton University Press, 2006. ISBN: 0691129053.

“Kemp, an art historian, illuminates how da Vinci’s understanding of nature in its many facets contributed to his artistic masterpieces.” (from the publisher)

1183. SORCI, Alessandra. *“La forza de le linee”: Prospettiva e stereometria in Piero della Francesca.* Micrologus Library, 7. (213 pp.; ill.; bibl.; index.) Florence: SISMEL, Edizioni del Galluzzo, 2001. ISBN: 8884500141.

330-28. SCIENCE AND RELIGION

1184. BRÖER, Ralf. “Blutkreislauf und Dreieinigkeit: Medizinischer Antitrinitarismus von Michael Servet (1511–1553) bis Giorgio Biandrata (1515–1588).” *Ber. Wissenschaftsgesch.* 29 (2006): 21–37.

1185. BROOKE, John, and Ekmeleddin İHSANOĞLU. (Eds.) *Religious Values and the Rise of Science in Europe.* (258 pp.; ill.) Istanbul: Research Center for Islamic History Art and Culture, 2005.

The majority of the articles in this book were presented at the workshop titled “Science and Human Values,” organized by the European Science Foundation in cooperation with IRCICA and the Turkish Society for History of Science (6–7 October 2001, IRCICA Istanbul). A major theme of the book is the reception of Copernican astronomy, with comparisons between Catholic, Lutheran, Calvinist, and Ottoman responses. Contributing authors include: John BROOKE, John NORTH, Peter BARKER, Charlotte METHUEN, Anne-Charlott TREPP, Kenneth HOWELL, Paolo PONZIO, Mariano ARTIGAS, Rafael MARTÍNEZ, William SHEA, Robert ILIFFE, Ekmeleddin İHSANOĞLU, and Sonja BRENTJES.

Reviews: [ref. R160]

1186. DYE, Amy. “Writing Creation in England, 1580–1680.” *Diss. Abstr. Int. A* 67/01 (2006): 193.

Dissertation at The University of North Carolina at Chapel Hill, 2005. Adviser: Barbour, Reid. UMI pub. no. 3200760. 258 pp. Explores the literary and scientific interest in the notion of creation, both divine as well as human. Focuses on four individuals: Sir Philip Sidney, Robert Fludd, William Harvey, and John Milton.

1187. KILLEEN, Kevin, and Peter J. FORSHAW. (Eds.) *The Word and the World: Biblical Exegesis and Early Modern Science.* (xii + 264 pp.; ill.; bibl.; index.) Basingstoke: Palgrave Macmillan, 2007. ISBN: 9780230507074.

Contents: P. HARRISON, “The Use of Creatures: Allegory, the Literal Sense and the Contemplative Life”; S. MATTHEWS, “Francis Bacon and the Two Books: Interpreting God’s Will and Power”; J. D. FLEMING, “Making Sense of Science and the Literal: Semantics and Hermeneutics”; P. FORSHAW, “Vitriolic Reactions: Orthodox Response to the Alchemical Exegesis of Genesis”; H. HAKANSSON, “Tycho the Apocalyptic: History, Astrology and the Apocalypse in Early Modern Science”; V. REMMERT, “‘Whether the Stars are Innumerable for Us?’ Astronomy and Biblical Exegesis among the Jesuits in the 16th and 17th Centuries”; P. MUELLER, “Biblical-Textual Criticism and Marin Mersenne’s Scientific Practice”; L. CATANA, “Giordano Bruno’s Hermeneutic Comments on the Bible in his De monade”; I. A. KELTER, “Reading the Book of God as the Book of Nature: The Case of the Louvain Humanist Cornelius Valerius (1512-1578)”; J. SAWDAY, “The Fortunes of Babel: Technology, History, and Genesis 11:1-9”; K. KILLEEN, “Duckweed and the Word of God: Seminal Principles and Creation in Thomas Browne”; and K. EDWARDS, “Days of the Locust: Natural History, Politics, and the English Bible.”

1188. MAGGI, Armando. *Satan’s Rhetoric: A Study of Renaissance Demonology.* (x + 260 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2001. ISBN: 0226501329.

Reviews: [ref. R878]

1189. ROMANO, Antonella. “Arpenter la ‘vigne du Seigneur’ ? Note sur l’activité scientifique des Jésuites dans les provinces extra-européennes (XVI^{e}-$XVII^{e}$ siècles).” *Arch. Int. Hist. Sci.* 52 (2002): 73–101.

1190. VELTMAN, Lenny. "'Geen steen zal op de andere blijven.' Zestiende-eeuwse natuurrampteksten: ooggetuigenverslag of godsdienstles?" Translated title: [Texts on natural disasters in the sixteenth century: eyewitness reports of religious instruction]. In Dutch. *Gewina* 28 (2005): 186–207.

330-29. SCIENCE AND WAR

1191. WALTON, Steven A. "Mathematical Instruments and the Creation of the Scientific Military Gentleman." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 17–46.
On advances in the technology of gunnery in the 16th-18th centuries.

330-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

1192. PILASKI, Katharina. "The Munich Kunstkammer: Art, Nature, and the Representation of Knowledge in Courtly Contexts." *Diss. Abstr. Int. A* 68/02 (2007).
Dissertation at University of California, Santa Barbara, 2007. Adviser: Meadow, Mark. Pub. no. AAT 3252784. 298 pp. On the collections of the Kunstkammer of Albrecht V, Duke of Bavaria, founded in the 1560s.

330-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

1193. BRANDSTETTER, Thomas. "Elefanten im Mond, Der prekäre Status des wissenschaftlichen Instruments." *Ber. Wissenschaftsgesch.* 27 (2004): 109–118.
On a satire by Samuel Butler illustrating contrasting versions of verification in science as related to the role of new scientific instruments such as the telescope.

1194. LEVI-DONATI, Gemma Rosa. "Four Hundred and Twenty-Five Years Later: Egnazio Danti's Anemoscope." *Nuncius* 18 (2003): 467–479.
On a machine used to indicate wind direction.

1195. ZANIERI, Stefania. "Un gioco ottico di Ludovico Buti al Museo di Storia della Scienza di Firenze." *Nuncius* 15 (2000): 665–670.

330-42. SCIENCE EDUCATION

(includes history of educational institutions)

1196. CAROLINO, Luís Miguel, and Carlos ZILLER CAMENIETZKI. (Eds.) *Jesuítas, ensino e ciência: Séc. XVI-XVIII.* (240 pp.) Casal de Cambra, Portugal: Caleidoscópio, 2005. ISBN: 9728801831.

1197. COMPÈRE, Marie-Madeleine. *Les collèges français XVIe-XVIIIe siècles : Répertoire 3 – Paris.* (478 pp.; bibl.; index.) Paris: INRP, 2002. ISBN: 2734208865.
Reviews: [ref. R264]

1198. TAVEIRA DA FONSECA, Fernando. "De Lisboa para Coimbra: a Universidade no tempo de Pedro Nunes." In *International Conference Petri Nonii Salaciensis Opera, May 24–25, 2002, Lisbon, Coimbra. Proceedings*, edited by TRABUCHO DE CAMPOS et al. (2003) [ref. 1233], 7–29.

330-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

1199. BAYER, Penny. "Lady Margaret Clifford's Alchemical Receipt Book and the John Dee Circle." Part of a special issue on John Dee's alchemy [ref. 1276]. *Ambix* 52 (2005): 271–284.

330-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

1200. KASSELL, Lauren. "'All was this land full fill'd of faerie,' or Magic and the Past in Early Modern England." Part of a special issue [ref. 1164]. *J. Hist. Ideas* 67 (2006): 107–122.

1201. NORRGRÉN, Hilde. "Interpretation and the Hieroglyphic Monad: John Dee's Reading of Pantheus's *Voarchadumia*." Part of a special issue on John Dee's alchemy [ref. 1276]. *Ambix* 52 (2005): 217–245.
On marginalia showing Dee's strong interest in cabbalistic methods.

1202. SEITZ, Jonathan. "Natural or Supernatural? Witchcraft, Inquisition and Views of Nature at the Dawn of the Scientific Revolution." *Diss. Abstr. Int. A* 67/06 (2006).
Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Shank, Michael. UMI pub. no. 3222849. 340 pp. Focus is on early modern Venice.

1203. ZAMBELLI, Paola. *Magia bianca, magia nera nel Rinascimento.* L'interprete, 78. (222 pp.; bibl.; index.) Ravenna: Longo, 2004. ISBN: 8880634305.

330-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

1204. BIANCHI, Luca. *Studi sull'aristotelismo del Rinascimento.* Subsidia mediaevalia Patavina, 5. (235 pp.; bibl.; index.) Padova: Il poligrafo, 2003. ISBN: 8871152743.
Reviews: [ref. R104]

1205. BOYLE, Marjorie O'Rourke. "Gracious Laughter: Marsilio Ficino's Anthropology." *Renaiss. Quart.* 52 (1999): 712–741.

1206. CELENZA, Christopher S. "Pythagoras in the Renaissance: The Case of Marsilio Ficino." *Renaiss. Quart.* 52 (1999): 667–711.

1207. FEINGOLD, Mordechai, Joseph S. FREEDMAN, and Wolfgang ROTHER. (Eds.) *The Influence of Petrus Ramus: Studies in Sixteenth and Seventeenth Century Philosophy and Sciences.* Schwabe philosophica, 1. (285 pp.; bibl.; index.) Basel: Schwabe, 2001. ISBN: 3796515606.
Contributors include: Wolfgang ROTHER, Theo VERBEEK, Thomas ELSMANN, Joseph S. FREEDMAN, Riccardo POZZO, Erland SELLBERG, Mordechai FEINGOLD, Elizabethanne BORAN, Kees MEERHOFF, Guido OLDRINI, Ian MACLEAN, Nicholas JARDINE, and Alain SEGONDS.

1208. KENNINGTON, Richard. *On Modern Origins: Essays in Early Modern Philosophy.* edited by

Pamela KRAUS and Frank HUNT. (xvi + 287 pp.; index; bibl.) Lanham, Md.: Lexington Books, 2004. ISBN: 073910814X.

Focuses on Baconian and Cartesian approaches to nature.

Reviews: [ref. R722]

1209. KURYLEWICZ, Gabriela. *Poznawanie i niepoznawanie istnienia: Giovanni Pico Della Mirandola w poszukiwaniu metafizycznej zgodnosci wszystkiego, co istnieje.* (294 pp.; index.) Warszawa: Semper, 2004. ISBN: 8389100487.

1210. MOSS, Jean Dietz, and William A. WALLACE. *Rhetoric and Dialectic in the Time of Galileo.* (ix + 438 pp.; bibl.; index.) Washington, D.C.: Catholic University of America Press, 2003. ISBN: 0813213312.

1211. PERFETTI, Amalia. "Etudes sur l'atomisme (XVI*e* - XVII*e* siècles)." Introduction to special issue: "Etudes sur l'atomisme (XVI*e* - XVII*e* siècles)." *Rev. Hist. Sci.* 55 (2002): 139–142.

Contents: Didier KAHN, "La condamnation des thèses d'Antoine de Villon et Etienne de Clave contre Aristote, Paracelse et les 'cabalistes' (1624)," 143–198 [ref. 1410]; Paolo PONZIO, "A propos de l'atomisme de Galilée : questions cosmologiques et problèmes théologiques," 199–214 [ref. 1415]; Amalia PERFETTI, "L'hypothèse atomistique dans *L'Autre Monde* de Cyrano de Bergerac," 215–238 [ref. 1463]; Guido GIGLIONI, "Francis Glisson's Notion of *confœderatio naturæ* in the Context of Hylozoistic Corpuscularianism," 239–262 [ref. 1453].

1212. PERUZZI, Enrico. "La poetica del *Naugerius* tra platonismo e aristotelismo." In *Girolamo Fracastoro*, edited by PASTORE and PERUZZI (2006) [ref. 1168], 217–228.

1213. VALATKA, Vytis. "Pirmasis Logikos Amžius Lietuvoje: Gnoseologinis Universalijų Teorijos Lygmuo." Translated title: [The first century of logic in Lithuania: The gnoseological level of theory of universals]. In Lithuanian. *Logos* No. 46 (2006): 72–78.

Discusses logic theories of two 16th-century Lithuanian philosophers: Martinus Smiglecius and Iacob Ortizius.

1214. VASOLI, Cesare. "Il *Turrius* e la logica come strumento del sapere 'naturale.'" In *Girolamo Fracastoro*, edited by PASTORE and PERUZZI (2006) [ref. 1168], 175–192.

330-103. MATHEMATICS

1215. ANGELINI, Annarita. "'Un autre ordre du monde' : Science et mathématiques d'après les commentateurs de Proclus au *Cinquecento*." Part of special issue: "Mathématiques et savoir à la Renaissance" [ref. 1217]. *Rev. Hist. Sci.* 59 (2006): 265–283.

1216. BYRNE, James Steven. "A Humanist History of Mathematics? Regiomontanus's Padua Oration in Context." Part of a special issue [ref. 1164]. *J. Hist. Ideas* 67 (2006): 41–61.

1217. CAYE, Pierre, and Thierry GONTIER. "Présentation." Introduction to a special issue: "Mathématiques et savoir à la Renaissance." *Rev. Hist. Sci.* 59 (2006): 181–186.

Contents: Jean-Luc GAUTERO and Pier Daniele NAPOLITANI, "En mémoire de Pierre Souffrin," 187–196 [ref. 114]; Francesco FURLAN, "In margine all'edizione degli *Ex ludis rerum mathematicarum*," 197–217 [ref. 1222]; Frédéric VENGEON, "Mathématiques, création et humanisme chez Nicolas de Cues," 219–243 [ref. 1234]; Pierre CAYE, "*Scientia sine arte nihil est*...Architecture et mathématiques palladiennes II," 245–263 [ref. 1218]; Annarita ANGELINI, "'Un autre ordre du monde' : Science et mathématiques d'après les commentateurs de Proclus au *Cinquecento*," 265–283 [ref. 1215]; Thierry GONTIER, "Mathématiques et science universelle chez Bacon et chez Descartes," 285–312 [ref. 1473].

1218. CAYE, Pierre. "*Scientia sine arte nihil est*...Architecture et mathématiques palladiennes II." Part of special issue: "Mathématiques et savoir à la Renaissance" [ref. 1217]. *Rev. Hist. Sci.* 59 (2006): 245–263.

1219. CIFOLETTI, Giovanna. "From Valla to Viète: The Rhetorical Reform of Logic and Its Use in Early Modern Algebra." Part of a special issue: "Mathematics and Rhetoric" [ref. 277]. *Early Sci. Med.* 11 (2006): 390–423.

1220. COMPÈRE, Marie-Madeleine. "Les cadres institutionnels de l'enseignement des mathématiques au XVI*e* siècle." *Rev. Hist. Math.* 6 (2000): 271–292.

On the place of mathematics teaching within the liberal arts curriculum as well as both the content and the geography of mathematics education in Europe.

1221. D'HOLLANDER, Raymond. "La théorie de la Loxodromie de Pedro Nunes." In *International Conference Petri Nonii Salaciensis Opera, May 24–25, 2002, Lisbon, Coimbra. Proceedings*, edited by TRABUCHO DE CAMPOS et al. (2003) [ref. 1233], 63–111.

1222. FURLAN, Francesco. "In margine all'edizione degli *Ex ludis rerum mathematicarum*." Part of special issue: "Mathématiques et savoir à la Renaissance" [ref. 1217]. *Rev. Hist. Sci.* 59 (2006): 197–217.

On the philological problems of Leon Battista Alberti's text.

1223. GLIMP, David, and Michelle R. WARREN. (Eds.) *Arts of Calculation: Quantifying Thought in Early Modern Europe.* Early Modern Cultural Studies. (xxix + 255 pp.; ill.; bibl.; index.) New York: Palgrave Macmillan, 2004. ISBN: 0312295316.

Contents: Joel KAYE, "Money and Administrative Calculation as Reflected in Scholastic Natural Philosophy," 1-18; Alina SOKOL, "What Does an Escudo Buy? Gold and Money in Francisco de Quevedo's Sonnet 'To Gold...,'" 19-38; Carla MAZZIO, "The Three Dimensional Self: Geometry, Melancholy, Drama," 39-65; Christopher JOHNSON, "Clavius's Number and Its Early Modern Afterlife," 67-91; J. B. SHANK, "Fontenelle's Calculus: The Cultural Politics of Mathematics in Louis XIV's France," 93-114; Gordon HULL, "Hobbes and the Premodern Geometry of Modern Political Thought," 115-135; Timothy J. REISS, "Calculating Humans: Mathematics, War and the Colonial Calculus," 137-163; Patricia CAHILL, "Killing by Computation: Military Mathemat-

ics, the Elizabethan Social Body, and Marlowe's *Tamburlaine*," 165-186; Benjamin LIU, "Accounting for Generosity: Antón de Montoro's Poetic Invoicing," 187-203; Eugene OSTASHEVSKY, "Crooked Figures: Zero and Hindu-Arabic Notation in Shakespeare's *Henry V*," 205-228; Robert BATCHELOR, "Binary as Transcultural Technology: Leibniz, *Mathesis Universalis* and the *Yijing*," 229-251.

Reviews: [ref. R503]

1224. GOULDING, Robert. "Method and Mathematics: Peter Ramus's Histories of the Sciences." Part of a special issue [ref. 1164]. *J. Hist. Ideas* 67 (2006): 63–85.

1225. LOGET, François. "La Ramée critique d'Euclide. Sur le *Prooemium mathematicum* (1567)." *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 3–28.

1226. MANDOSIO, Jean Marc. "Des 'mathématiques vulgaires' à la 'monade hiéroglyphique' : Les Eléments d'Euclide vus par John Dee." Part of special issue: "La réception des *Éléments* d'Euclide au Moyen Age et à la Renaissance" [ref. 1083]. *Rev. Hist. Sci.* 56 (2003): 475–491.

1227. MEHL, Edouard. "Euclide et la fin de la Renaissance : Sur le scholie de la proposition XIII.18." Part of special issue: "La réception des *Éléments* d'Euclide au Moyen Age et à la Renaissance" [ref. 1083]. *Rev. Hist. Sci.* 56 (2003): 439–455.

1228. MISHRA, Vinod. "Invention of Logarithms." *Stud. Hist. Med. Sci.* 20 (2005): 61–93.

1229. PANZA, Marco. "François Viète: Between Analysis and Cryptanalysis." *Stud. Hist. Phil. Sci.* 37 (2006): 269–289.

1230. ROMMEVAUX, Sabine. *Clavius : Une clé pour Euclide au XVIe siècle.* Mathesis. (313 pp.; ill.) Paris: Vrin, 2005. ISBN: 2711617874.

Reviews: [ref. R1158]

1231. SPIESSER, Maryvonne. "L'algèbre de Nicolas Chuquet dans le contexte français de l'arithmétique commerciale." *Rev. Hist. Math.* 12 (2006): 7–33.

1232. SUTTO, Jean-Pierre. "Le compendium du 5*e* livre des *Éléments* d'Euclide de Francesco Maurolico." *Rev. Hist. Math.* 6 (2000): 59–94.

1233. TRABUCHO DE CAMPOS, Luís, Henrique LEITÃO, and João Filipe QUEIRÓ. (Eds.) *International Conference Petri Nonii Salaciensis Opera, May 24–25, 2002, Lisbon, Coimbra. Proceedings.* (184 pp.; bibl.) Lisbon: Universidade de Lisboa, Faculdade de Ciências, Departamento de Matemática, 2003. ISBN: 9728394179.

Contents: Fernando TAVEIRA DA FONSECA, "De Lisboa para Coimbra: a Universidade no tempo de Pedro Nunes," 7-29 [ref. 1198]; Víctor NAVARRO BROTONS, "Aspectos de la obra cosmográfica de Pedro Nunes y su influencia en la cosmografía ibérica," 31-62 [ref. 1253]; Raymond D'HOLLANDER, "La théorie de la Loxodromie de Pedro Nunes," 63-111 [ref. 1221]; Eberhard KNOBLOCH, "Nunes' 'Book on Twilights,' " 113-140 [ref. 1248]; Henrique LEITÃO, "Pedro Nunes and the Aristotelian Mechanical Problems," 141-169 [ref. 1270]; "Appendix, 'Petri Nonii in problema mechanicum Aristotelis de motu nauigii ex remis Annotatio una,' " 171-182.

1234. VENGEON, Frédéric. "Mathématiques, création et humanisme chez Nicolas de Cues." Part of special issue: "Mathématiques et savoir à la Renaissance" [ref. 1217]. *Rev. Hist. Sci.* 59 (2006): 219–243.

1235. WILLIAMS, Travis Dean. "Ethos and Enargeia: Literary and Rhetorical Strategies of Early Modern Mathematics." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: Altman, Joel B. UMI pub. no. 3228523. 301 pp.

330-104. MUSIC THEORY

1236. PALISCA, Claude V. "Vincenzo Galilei, scienziato sperimentale, mentore del figlio Galileo." Reprint of a lecture in the "Letture Galileiane" series held in Padua in March 2000. *Nuncius* 15 (2000): 497–514.

Focus is on music theory.

1237. PARKE, Kimberly M. "Engineering Music: A Critical Inquiry into Giambattista Aleotti's 'De la musica.' " *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: van Orden, Kate. UMI pub. no. 3228451. 256 pp. "The purpose of his music treatise was to teach how to build self-playing automatic organs. But this is not its only interest, for it provides valuable insight into how non-musicians thought about music circa 1600." (from the abstract)

1238. SARGOLINI, Federica. "La critica di Vincenzo Galilei al misticismo numerico di Gioseffo Zarlino." *Nuncius* 15 (2000): 519–550.

1239. TONIETTI, Tito M. "The Mathematical Contributions of Francesco Maurolico to the Theory of Music of the 16th Century (The Problems of a Manuscript)." *Centaurus* 48 (2006): 149–200.

330-110. ASTRONOMY AND COSMOLOGY

1240. BIEN, Reinhold. "Viète's Controversy with Clavius over the Truly Gregorian Calendar." *Arch. Hist. Exact Sci.* 61 (2007): 39–66.

1241. BYRNE, James Steven. "The Stars, the Moon, and the Shadowed Earth: Viennese Astronomy in the Fifteenth Century." *Diss. Abstr. Int. A* 68/03 (2007).

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1242. CALVO, Emilia. Essay review. *Aestimatio* 1 (2004): 86–90.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2004-05-02_Calvo.pdf`. Essay review of Joseé CHABÁS and Bernard R. GOLDSTEIN, *Astronomy in the Iberian Peninsula* (2000).

1243. GRANADA, Miguel A. "Michael Maestlin and the New Star of 1572." *J. Hist. Astron.* 38 (2007): 99–124.

1244. HADRAVOVÁ, Alena, and Petr HADRAVA. "Astronomy in Paulerinus's Fifteenth-Century Encyclopaedia *Liber Viginti Arcium*." *J. Hist. Astron.* 38 (2007): 305–324.

1245. HAMEL, Jürgen, and Eckehard ROTHENBERG. *Die astronomischen Forschungen in Kassel unter Wilhelm IV: mit einer Teiledition der deutschen Übersetzung des Hauptwerkes von Copernikus um 1586.* Acta historica astronomiae, 2. (173 pp.; ill.) Frankfurt am Main: Deutsch, 2002. ISBN: 381711690X.
Reviews: [ref. 1250]

1246. JARDINE, Nicholas. "Imagineering the Astronomical Revolution." *J. Hist. Astron.* 37 (2006): 471–484.
Essay review of Fabrizio MEROI and Claudio POGLIANO (eds.), *Immagini per conoscere* (2001); Hans HOLLÄNDER (ed.), *Erkenntnis, Erfindung, Konstruktion* (2000) [ref. 14]; Volker REMMERT, *Widmung, Welterklärung und Wissenschaftslegitimierung* (2005) [ref. 1391]; Wolfgang LEFEVRE, Jürgen RENN, and Urs SCHOEPFLIN (eds.), *Power of Images in Early Modern Science* (2003); Sachiko KUSUKAWA and Ian MACLEAN (eds.), *Transmitting Knowledge* (2006).

1247. JENSEN, Derek. "The Science of the Stars in Danzig from Rheticus to Hevelius." *Diss. Abstr. Int. A* 67/10 (2007).
Dissertation at University of California, San Diego, 2006. Adviser: Westman, Robert S. UMI pub. no. 3236816. 329 pp. "Asks how civic institutions (the city council and the academic gymnasium), socio-economic structures (civic and private patronage) and religion and civic ideals in the city of Danzig shaped creative thought about the science of the stars during the sixteenth and seventeenth centuries. " (from the abstract)

1248. KNOBLOCH, Eberhard. "Nunes' 'Book on Twilights.' " In *International Conference Petri Nonii Salaciensis Opera, May 24–25, 2002, Lisbon, Coimbra. Proceedings*, edited by TRABUCHO DE CAMPOS et al. (2003) [ref. 1233], 113–140.
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1249. KREMER, Richard L. "Abbreviating the Alphonsine Tables in Cracow: The *Tabulae Aureae* of Petrus Gaszowiec (1448)." *J. Hist. Astron.* 38 (2007): 283–304.

1250. KREMER, Richard L. "Astronomy in Kassel." *J. Hist. Astron.* 38 (2007): 125–129.
Essay review of Christoph ROTHMANN, *Christoph Rothmanns Handbuch der Astronomie von 1589* edited by Miguel Angel GRANADA, Jürgen HAMEL, and Ludolf von MACKENSEN. (2003) [ref. 1256]; Jürgen HAMEL and Eckehard ROTHENBERG, *Die astronomischen Forschungen in Kassel unter Wilhelm IV* (2002) [ref. 1245].

1251. LACERENZA, Giancarlo. "A Rediscovered Autograph Manuscript by Mordekay Finzi." *Aleph* 3 (2003): 301–325.

1252. MOSLEY, Adam. *Bearing the Heavens: Tycho Brahe and the Astronomical Community of the Late Sixteenth Century.* (xiv + 354 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2007. ISBN: 0521838665.

1253. NAVARRO BROTONS, Víctor. "Aspectos de la obra cosmográfica de Pedro Nunes y su influencia en la cosmografía ibérica." In *International Conference Petri Nonii Salaciensis Opera, May 24–25, 2002, Lisbon, Coimbra. Proceedings*, edited by TRABUCHO DE CAMPOS et al. (2003) [ref. 1233], 31–62.

1254. OESTMANN, Günther. *Die astronomische Uhr des Straßburger Münsters: Funktion und Bedeutung eines Kosmos-Modells im 16. Jahrhundert.* (334 pp.; ill.) Berlin: GNT-Verlag, 2000. ISBN: 3928186523.

1255. RAGEP, F. Jamil. "Copernicus and His Islamic Predecessors: Some Historical Remarks." *Hist. Sci.* 45 (2007): 65–81.

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330-130. BIOLOGICAL SCIENCES, GENERAL WORKS

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330-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

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330-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

(includes information sciences)

1357. EISENSTEIN, Elizabeth L. "An Unacknowledged Revolution Revisited." *Amer. Hist. Rev.* 107 (2002): 87–105.

On the shift from script to print and its affect on institutions, traditions, occupations, and modes of thought. See also Anthony GRAFTON, "How Revolutionary Was the Printing Revolution" *Amer. Hist. Rev.* 107 (2002): 84–128. Also includes: Adrian JOHNS, "How to Acknowledge a Revolution," 106–125.

330-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1358. LACOMBE, Michael. "Food and Authority in the English Atlantic World, 1570–1640." *Diss. Abstr. Int. A* 67/02 (2006): 690.

Dissertation at New York University, 2006. Adviser: Kupperman, Karen Ordahl. UMI pub. no. 3205655. 515 pp. Explores colonial and native interaction. "Argues that the production, distribution, and consumption of food was intricately linked to social and gender inequality and political authority." (from the abstract)

1359. LÓPEZ-BELTRÁN, Carlos. "The Medical Origins of Heredity." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 105–132.

340. SEVENTEENTH CENTURY

(includes topics stretching into the 18th century; see also 330-Renaissance for topics covering the whole Early Modern period)

340-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1360. AUCANTE, Vincent. "Descartes's Experimental Method and the Generation of Animals." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 65–79.

1361. AUGHTON, Peter. *Newton's Apple: Isaac Newton and the English Scientific Renaissance.* (215 pp.; ill.; bibl.; index.) London: Weidenfeld & Nicolson, 2003. ISBN: 0297843214.

Reviews: [ref. R41]

1362. COOPER, Michael, and Michael Cyril William HUNTER. (Eds.) *Robert Hooke: Tercentennial Studies.* (xix + 335 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2006. ISBN: 075465365X.

Contents: Michael NAUENBERG, "Robert Hooke's Seminal Contribution to Orbital Dynamics," 3-32 [ref. 1505]; Ofer GAL, "Hooke's Programme: Final Thoughts," 33-48; Hideto NAKAJIMA, "Robert Hooke as an Astronomer: Hooke's Optical Research and Instruments in Their Historical Context," 49-62 [ref. 1503]; Jim BENNETT, "Instruments and Ingenuity," 65-76 [ref. 1425]; John HENNESSY, Allan MILLS and Stephen WATSON, "Hooke's Design for a Driven Equatorial Mounting," 77-88 [ref. 1429]; S. H. JOSEPH, "Assessment of the Scientific Value of Hooke's Work," 89-108; Douwe DRAAISMA, "Hooke on Memory and the Memory of Hooke," 111-121; Nick WILDING, "Graphic Technologies," 123-134; Ellen Tan DRAKE, "Hooke's Ideas of the Terraqueous Globe and a Theory of Evolution," 135-149 [ref. 1590]; Jacques HEYMAN, "Hooke and Bedlam," 153-164 [ref. 1615]; Alison STOESSER, "Robert Hooke's Montagu House: London Architecture with Continental Flair," 165-179; Hentie LOUW, "The 'Mechanick Artist' in Late Seventeenth-Century English and French Architecture: The Work of Robert Hooke, Christopher Wren and Claude Perrault Compared as Products of an Interactive Science/Architecture Relationship," 181-199 [ref. 1640]; Mordechai FEINGOLD, "Robert Hooke: Gentleman of Science," 203-217; Edward SMITH, "Hooke and Westminster," 219-232; Robert D. PURRINGTON, "After the *Principia*: Hooke's Declining Years, 1687-1703," 233-246; Lisa JARDINE, "Robert Hooke: A Reputation Restored," 247-258.

Reviews: [ref. 1367, R272]

1363. DUCHEYNE, Steffen. "Joan Baptista Van Helmont and the Question of Experimental Modernism." *Physis* 42 (2005): 305–332.

Focus on Van Helmont's experimental practices.

1364. EATON, William R. *Boyle on Fire: The Mechanical Revolution in Scientific Explanation.* Continuum Studies in British Philosophy. (vii + 205 pp.; index; bibl.) London; New York: Continuum, 2005. ISBN: 0826478271.

Reviews: [ref. R374]

1365. FEINGOLD, Mordechai. "Honor Thy Newton." *Early Sci. Med.* 12 (2007): 223–229.

Essay review of Rob ILIFFE, Milo KEYNES, and Rebekah HIGGITT (eds.), *Early Biographies of Isaac Newton, 1660–1885* (2006); James E. FORCE and Sarah HUTTON (eds.), *Newton and Newtonianism* (2004).

1366. FÜSSEL, Marian. " 'Charlataneria Eruditorum,' Zur sozialen Semantik des gelehrten Betrugs im 17. und 18. Jahrhundert." *Ber. Wissenschaftsgesch.* 27 (2004): 119–135.

1367. GAUKROGER, Stephen. Essay review. *Aestimatio* 3 (2006): 52–55.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2006-06-01_Gaukroger.pdf`. Essay review of Michael COOPER and Michael Cyril William HUNTER (eds.), *Robert Hooke* (2006) [ref. 1362].

1368. HARRISON, Peter. "Curiosity, Forbidden Knowledge, and the Reformation of Natural Philosophy in Early Modern England." *Isis* 92 (2001): 265–290.

On the changing role of natural philosophy, the rehabilitation of curiosity, and the deemphasis on the moral sensibilities of the scientist.

1369. HAWLITSCHEK, Kurt. "Die Deutschlandreise des René Descartes." *Ber. Wissenschaftsgesch.* 25 (2002): 235–252.

1370. ILIFFE, Rob. *Newton: A Very Short Introduction.* Very Short Introductions, 158. (141 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 0199298033.

1371. KEYNES, Milo. "The Portrait of Dr. William Harvey in the Royal Society since 1683." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 249–252.

1372. KOCKEL, Valentin, Brigitte SÖLCH, Martin HEISE, and Eva-Maria LANDWEHR. (Eds.) *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700.* Colloquia Augustana, 21. (273 pp.; ill.; bibl.; index.) Berlin: Akademie Verlag, 2005. ISBN: 3050041331.

Contents: Brigitte SÖLCH and Valentin KOCKEL, "Einführung," 9–26; Irene FAVARETTO, "*Ogni genere d'erudite anticaglie*. Francesco Bianchini e l'ambiente veronese," 27–39; Christopher M. S. JOHNS, "Papa Albani and Francesco Bianchini: Intellectual and Visual Culture in Early Eighteenth-Century Rome," 41–55; John L. HEILBRON, "Bianchini as an Astronomer," 57–82 [ref. 1496]; Susan M. DIXON, "Francesco Bianchini's Images and His Legacy in the Mid-Eighteenth Century: From Capricci to Playing Cards to Proscenium and Back," 83–106; Valentin KOCKEL, "*Ichnographia—Orthographia—Scaenographia* Abbildungsmodi antiker Architektur am Beispiel des 'Columbarium der Liberti der Livia,' " 107–133 [ref. 1638]; Meinrad von ENGELBERG, "Ricavare l'idea del tutto— Francesco Bianchinis 'Del Palazzo de' Cesari,' " 135–163; François de POLIGNAC, "Francesco Bianchini et les 'cardinaux antiquaires'. Archéologie, science et politique," 165–178 [ref. 1602]; Brigitte SÖLCH, "Das 'Museo Ecclesiastico'. Beginn einer neuen Sammlungsära im Vatikan," 179–205 [ref. 1697]; Paolo LIVERANI, "Il 'Museo Ecclesiastico' e dintorni," 207–234; Petra THOMAS, " 'Bilder einer Ausstellung': Das 'Museo Capitolino' und die wissenschaftliche Illustration," 235–262 [ref. 1668].

Reviews: [ref. R751]

1373. KORDES, Uwe. *Wolfgang Ratke (Ratichius, 1571–1635): Gesellschaft, Religiosität und Gelehrsamkeit im frühen 17. Jahrhundert.* Beihefte zum Euphorion, 34. (500 pp.; bibl.; index.) Heidelberg: C. Winter, 1999. ISBN: 3825309479.

Reviews: [ref. R760]

1374. LEWIS, Rhodri. "Robert Hooke at 371." *Perspect. Sci.* 14 (2006): 558–573.

Literature review of works on Hooke published primarily within the past 20 years.

1375. MAURY, Jean-Pierre. *À l'origine de la recherche scientifique : Mersenne.* edited by Sylvie TAUSSIG. (vi + 311 pp.; ill.; bibl.) Paris: Vuibert, 2003. ISBN: 2711752917.

Reviews: [ref. R907]

1376. MUELLER, Paul R. "Marin Mersenne's 'Questions Theologiques, Physiques, Morales, et Mathematiques': Agenda and Structure, with an Annotated Translation." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Chicago, 2006. Adviser: Swerdlow, Noel M. UMI pub. no. 3231434. 364 pp. "I argue that *Questions Théologiques* possesses a narrative structure [which argues for] a more positive moral valuation of the passion of curiosity and its role in scientific practice." (from the abstract)

1377. OSLER, Margaret J. "A Hero for Their Times: Early Biographies of Newton." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 291–305.

Essay review of Rob ILIFFE, Milo KEYNES, and Rebekah HIGGITT (eds.), *Early Biographies of Isaac Newton, 1660–1885* (2006).

1378. OTTAVIANI, Alessandro. " 'Officiosissimam salutem nomine meo nunciabis Cl. viro Mario Schipano parentis amico veteri, quem laetus humanis adhuc interesse accepi, utinam diu': Memorie di viaggio e viaggio nella memoria nel tour italiano di Thomas Bartholin." *Schede Umanistiche* 18, no. 2 (2004): 89–110.

On the visit of the Danish doctor Thomas Bartholin to Italy in the 1640s and his encounter with the scientific communities there.

1379. PAGANINI, Gianni. "Mersenne plagiaire ? Les doutes de Campanella dans la *Vérité des sciences*." *XVIIe Siècle* 57 (2005): 747–767.

1380. PALMIERI, Paolo. Essay review. *Aestimatio* 1 (2004): 113–121.

Available at `http://www.ircps.org/publications/aestimatio/pdf/2004-08-01_Palmieri.pdf`. Essay review of Jed Z. BUCHWALD and I. Bernard COHEN (eds.), *Isaac Newton's Natural Philosophy* (2001).

1381. PANZA, Marco. *Newton.* Figures du savoir, 33. (270 pp.; ill.; bibl.) Paris: Belles lettres, 2003. ISBN: 2251760393.

Reviews: [ref. R1053]

1382. RAUWEL, Alain. "Un portrait inédit du P. Mersenne à la Bibliothèque de la Trinité-des-Monts." *Arch. Int. Hist. Sci.* 56 (2006): 19–20.

1383. SCHICKARD, Wilhelm. *Briefwechsel.* edited by Friedrich SECK. Vol 1: 1616–1632, vol 2: 1633–1635. (2 vol.; bibl.; index.) Stuttgart-Bad Cannstatt: Frommann-Holzboog, 2002. ISBN: 3772821626.

Reviews: [ref. R1210]

1384. SEGRE, Michael. "Il caso Galileo: una questione chiusa?" Discussioni Critiche. *Nuncius* 19 (2004): 733–747.

1385. SOLOMON, Julie Robin, and Catherine Gimelli MARTIN. (Eds.) *Francis Bacon and the Refiguring of Early Modern Thought: Essays to Commemorate* The Advancement of Learning, *1605–2005.* Literary and Scientific Cultures of Early Modernity. (ix + 257 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2005. ISBN: 0754653595.

Julie Robin SOLOMON, "Introduction," 1-16; Reid BARBOUR, "Bacon, Atomism, and Imposture: The True and the Useful in History, Myth, and Theory," 17-43 [ref. 1440]; Michael MCCANLES, "The New Science and the *Via Negativa*: A Mystical Source for Baconian Empiricism," 45-68 [ref. 1459]; Catherine Gimelli MARTIN, "The Feminine Birth of the Mind: Regendering the Empirical Subject in Bacon and His Followers," 69-88 [ref. 1403]; John C. BRIGGS, " 'The Very Idea!': Francis Bacon and E. O. Wilson on the Rehabilitation of *Eidos*," 89-108 [ref. 260]; Jerry

WEINBERGER, "Francis Bacon and the Unity of Knowledge: Reason and Revelation," 109-127 [ref. 1387]; Guido GIGLIONI, "The Hidden Life of Matter: Techniques for Prolonging of Life in the Writings of Francis Bacon," 129-144 [ref. 1575]; Daniel R. COQUILLETTE, " 'The Purer Fountains': Bacon and Legal Education," 145-172 [ref. 201]; William T. LYNCH, "A Society of Baconians? The Collective Development of Bacon's Method in the Royal Society of London," 173-202 [ref. 1422]; Fritz LEVY, "Francis Bacon, *The Advancement of Learning*, and Historical Thought," 203-221 [ref. 1603]; Timothy J. REISS, " 'Seated Between the Old World and the New': Geopolitics, Natural Philosophy, and Proficient Method," 223-246 [ref. 1398].

Reviews: [ref. R1294]

1386. UNVERZAGT, Dietrich. *Philosophia, Historia, Technica. Caspar Schotts* Magia Universalis. Dietrich Unverzagt, 2000. ISBN: 3898251071; 9783898251075.

1387. WEINBERGER, Jerry. "Francis Bacon and the Unity of Knowledge: Reason and Revelation." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 109–127.

340-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1388. HENDERSON, Felicity. "Unpublished Material from the Memorandum Book of Robert Hooke, Guildhall Library MS 1758." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 129–175.

1389. QUINN, Terry. "The Hooke Folio." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 231–233.

See also: Lisa JARDINE and Robyn ADAMS, "The Return of the Hooke Folio," 235-239.

340-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1390. LEWIS, John. "Truth and Propaganda in Images of the Trial of Galileo." *J. Hist. Astron.* 38 (2007): 15–29.

1391. REMMERT, Volker. *Widmung, Welterklärung und Wissenschaftslegitimierung: Titelbilder und ihre Funktionen in der Wissenschaftlichen Revolution.* Wolfenbütteler Forschungen, 110. (267 pp.; ill.; bibl.; index.) Wiesbaden: Harrassowitz in Kommission, 2005. ISBN: 3447053372.

Reviews: [ref. 1246, R1127]

340-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

1392. BIBLIOTHECA PHILOSOPHICA HERMETICA. (Ed.) *Rosenkreuz als europäisches Phänomen im 17. Jahrhundert.* Pimander, 7. (404 pp.; ill.) Amsterdam: In de Pelikaan, 2002. ISBN: 9071608115.

1393. FEINGOLD, Mordechai. *The Newtonian Moment: Isaac Newton and the Making of Modern Culture.* (xv + 218 pp.; ill.; bibl.; index.) New York: New York Public Library and Oxford University Press, 2004. ISBN: 0195177355.

Companion volume to an exhibition at the New York Public Library.

Reviews: [ref. 20]

1394. JACOB, Margaret C. *Strangers Nowhere in the World: The Rise of Cosmopolitanism in Early Modern Europe.* (187 pp.; ill.; bibl.; index.) Philadelphia: University of Pennsylvania Press, 2006. ISBN: 0812239334.

"Pays particular attention to the impact of science and merchant life on the emergence of the cosmopolitan ideal." (from the publisher)

Reviews: [ref. R684]

1395. SAUTER, Michael J. "Clockwatchers and Stargazers: Time Discipline in Early Modern Berlin." *Amer. Hist. Rev.* 112 (2007): 685–709.

Explores arguments developed around E. P. Thompson's 1967 article "Time, Work-Discipline, and Industrial Capitalism." Concerns the shift from a locally defined time to an official regional standard.

340-21. SCIENCE AND ETHICS

1396. JONES, Matthew L. *The Good Life in the Scientific Revolution: Descartes, Pascal, Leibniz, and the Cultivation of Virtue.* (xvi + 384 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226409546.

340-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

1397. COOK, Harold J. *Matters of Exchange: Commerce, Medicine, and Science in the Dutch Golden Age.* (xiv + 562 pp.; ill.; maps; bibl.; index.) New Haven: Yale University Press, 2007. ISBN: 9780300117967.

Argues that the activity of Dutch commerce provided a new emphasis on qualities that came to be recognized as relating to the pursuit of natural knowledge, including objectivity and description.

1398. REISS, Timothy J. " 'Seated Between the Old World and the New': Geopolitics, Natural Philosophy, and Proficient Method." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 223–246.

Looks at Bacon's ideas in relation to the European colonial expansionist project during his time.

340-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1399. CRESSY, David. "Early Modern Space Travel and the English Man in the Moon." *Amer. Hist. Rev.* 111 (2006): 961–982.

On space travel literature.

1400. EMERSON, Jocelyn. "Donne and the Noble Art." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 195–221.

1401. SHACKELFORD, Jole. "Reading Bodies for Epistemology: Art and Science in the Scientific Revolution." *Nuncius* 21 (2006): 133–150.

Essay review of Pamela H. SMITH, *The Body of the Artisan* (2004).

1402. TELLE, Joachim. "Das Rezept als literarische Form: Zum multifunktionalen Gebrauch des Rezepts in der deutschen Literatur." *Ber. Wissenschaftsgesch.* 26 (2003): 251–274.

340-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

1403. MARTIN, Catherine Gimelli. "The Feminine Birth of the Mind: Regendering the Empirical Subject in Bacon and His Followers." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 69–88.

1404. SAMUELSON, Jan. Essay review. *Lychnos* (2003): 292–296.
Essay review of Karin Tegenborg FALKDALEN, *Kungen är en kvinna* (2003).

340-28. SCIENCE AND RELIGION

1405. BRISTOL, Joan Cameron. "From Curing to Witchcraft: Afro-Mexicans and the Mediation of Authority." *J. Colonialism Col. Hist.* 7, no. 1 (2006).
Electronic access at `http://muse.jhu.edu/journals/journal_of_colonialism_and_colonial_history/v007/7.1bristol.html`.

1406. CAROLINO, Luís Miguel. "*Lux ex occidente*– Un regard européen sur l'Inde au XVII^{e} siècle : Athanase Kircher et les récits des missionnaires jésuites sur science et religion indiennes." *Arch. Int. Hist. Sci.* 52 (2002): 102–121.

1407. CAROLINO, Luís Miguel. "Scienza, politica ed escatologia nella formazione dello 'scienziato' nell'Europa del XVII secolo: il caso di Manuel Bocarro Francês - Jacob Rosales." *Nuncius* 19 (2004): 477–506.

1408. CERBU, Thomas, and Michel-Pierre LERNER. "La disgrâce de Galilée dans les *Apes Urbanae* : sur la fabrique du texte de Leone Allacci." *Nuncius* 15 (2000): 589–610.

1409. EKEDAHL, Nils. Essay review. *Lychnos* (2003): 273–278.
Essay review of Febe CRAFOORD, *"Läter all ting ährligha och skickeliga tilgă"* (2002).

1410. KAHN, Didier. "La condamnation des thèses d'Antoine de Villon et Etienne de Clave contre Aristote, Paracelse et les 'cabalistes' (1624)." Part of special issue: "Etudes sur l'atomisme (XVI^{e} - XVII^{e} siècles)" [ref. 1211]. *Rev. Hist. Sci.* 55 (2002): 143–198.

1411. MATTON, Sylvain. "Note sur quelques critiques oubliées de l'atomisme : À propos de la transsubstantiation eucharistique." *Rev. Hist. Sci.* 55 (2002): 287–294.

1412. MERSENNE, Marin. *L'impiété des déistes.* edited by Dominique DESCOTES. Sources classiques, 65. (727 pp.; bibl.; index.) Paris: Champion, 2005. ISBN: 2745311875.
Reviews: [ref. R938]

1413. MULSOW, Martin. "Idolatry and Science: Against Nature Worship from Boyle to Rüdiger, 1680–1720." Translated by Robert FOLGER. *J. Hist. Ideas* 67 (2006): 697–711.

1414. OPSOMER, Carmélia. "La science au service de l'apostolat : l'enseignement des jésuites anglais à Liège aux XVII^{e} et XVIII^{e} siècles." *Arch. Int. Hist. Sci.* 52 (2002): 212–226.

1415. PONZIO, Paolo. "A propos de l'atomisme de Galilée : questions cosmologiques et problèmes théologiques." Part of special issue: "Etudes sur l'atomisme (XVI^{e} - XVII^{e} siècles)" [ref. 1211]. *Rev. Hist. Sci.* 55 (2002): 199–214.

1416. SHEA, William R., and Mariano ARTIGAS. *Galileo Observed: Science and the Politics of Belief.* (xi + 212 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 0881353566.
Reviews: [ref. R1260]

1417. TOLBERT, Jane T. "Peiresc and Censorship: The Inquisition and the New Science, 1610-1637." *Cath. Hist. Rev.* 89 (2003): 24–38.
Focuses on Peiresc's work in scientific networks in a context of censorship.

340-29. SCIENCE AND WAR

1418. OSTWALD, Jamel. "Like Clockwork? Clausewitzian Friction and the Scientific Siege in the Age of Vauban." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 85–118.

1419. THOMAS, Mary M. Essay review. *Aestimatio* 3 (2006): 62–71.
Available at `http://www.ircps.org/publications/aestimatio/pdf/2006-07-02_Thomas.pdf`. Essay review of Brett D. STEELE and Tamera DORLAND (eds.), *The Heirs of Archimedes* (2005).

340-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

1420. GRIBBIN, John R. *The Fellowship: The Story of a Revolution.* Allen Lane Science. (xiv + 335 pp.; ill.; bibl.; index.) London: Allen Lane, 2005. ISBN: 0713997451.
On the origins of the Royal Society of London.
Reviews: [ref. R542]

1421. HUNTER, Michael. "Robert Boyle and the Early Royal Society: A Reciprocal Exchange in the Making of Baconian Science." *Brit. J. Hist. Sci.* 40 (2007): 1–23.

1422. LYNCH, William T. "A Society of Baconians? The Collective Development of Bacon's Method in the Royal Society of London." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 173–202.

1423. NAVARRO LOIDI, Juan. "Los libros matemáticos y científicos de la Biblioteca del Colegio de los jesuitas de Quito (s. XVII-XVIII)." *Arch. Int. Hist. Sci.* 52 (2002): 198–211.

1424. SPARGO, P. E. "Investigating the Site of Newton's Laboratory in Trinity College, Cambridge." *South African Journal of Science* 101 (2005): 315–321.

340-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

1425. BENNETT, Jim. “Instruments and Ingenuity.” In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 65–76.

1426. BUCHWALD, Jed Z. “Discrepant Measurements and Experimental Knowledge in the Early Modern Era.” *Arch. Hist. Exact Sci.* 60 (2006): 565–649.

1427. EAGLETON, Catherine, and Boris JARDINE. “Collections and Projections: Henry Sutton’s Paper Instruments.” *J. Hist. Collect.* 17 (2005): 1–13.

Discusses 17^{th}-century mathematical paper instruments.

1428. HAMOU, Philippe. *La Mutation du visible : Essai sur la portée épistémologique des instruments d’optique au XVII^e siécle. Vol I : Du Sidereus nuncius de Galilée à la Dioptrique cartésienne.* Histoire des sciences. (317 pp.; ill.; bibl.; index.) Villeneuve-d’Ascq: Presses universitaires du Septentrion, 1999. ISBN: 2859396012.

Reviews: [ref. R565]

1429. MILLS, Allan, John HENNESSY, and Stephen WATSON. “Hooke’s Design for a Driven Equatorial Mounting.” In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 77–88.

1430. MILLS, Allan. “Robert Hooke’s ‘Universal Joint’ and Its Application to Sundials and the Sundial-Clock.” *Notes Rec. Roy. Soc. Lond.* 61 (2007): 219–236.

1431. RUDD, M. Eugene. “Chromatic Aberration of Eyepieces in Early Telescopes.” *Ann. Sci.* 64 (2007): 1–18.

1432. ZIK, Yaakov. “Kepler and the Telescope.” *Nuncius* 18 (2003): 481–514.

340-42. SCIENCE EDUCATION

(includes history of educational institutions)

1433. MARTI, Hanspeter, and Detlef DÖRING. (Eds.) *Die Universität Leipzig und ihr gelehrtes Umfeld 1680–1780.* Texte und Studien, 6. (508 pp.) Basel: Schwabe, 2004. ISBN: 3796520138.

Includes: Detlef DÖRING, “Das gelehrte Leipzig der Frühaufklärung am Rande und im Umfeld der Universität,” 11-53; Urs BOSCHUNG, “Der Leipziger Medizinprofessor Christian Gottlieb Ludwig in seinen Briefen an Albrecht von Haller,” 409-445 [ref. 1852].

Reviews: [ref. R896]

340-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

1434. ERNST, Germana, and Eugenio CANONE. “Une lettre retrouvée : Campanella à Peiresc, le 19 juin 1636.” *Rev. Hist. Sci.* 55 (2002): 273–285.

1435. LEIBNIZ, Gottfried Wilhelm. *Sämtliche Schriften und Briefe: Dritte Reihe: Mathematischer, naturwissenschaftlicher und technischer Briefwechsel. Bd. 6: 1694 - Juni 1696.* edited by Berlin-Brandenburgischen Akademie der Wissenschaften und der Akademie der Wissenschaften in Göttingen. (lxxv + 871 pp.) Berlin: Akadamie Verlag, 2004. ISBN: 3050041161.

Reviews: [ref. R810]

1436. MÜLLER, Uwe. (Ed.) *Wissenschaft und Buch in der frühen Neuzeit: Die Bibliothek des Schweinfurter Stadtphysicus und Gründers der Leopoldina Johann Laurentius Bausch (1605–1665): Ausstellung des Stadtarchivs Schweinfurt und der Bibliothek Otto Schäfer.* Veröffentlichungen des Stadtarchivs Schweinfurt, 12. (220 pp.; ill.; bibl.) Schweinfurt: Stadtarchiv Schweinfurt, 1998. ISBN: 3926896159.

Reviews: [ref. R992]

340-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

1437. LYNN, Michael R. “Divining the Enlightenment: Public Opinion and Popular Science in Old Regime France.” *Isis* 92 (2001): 34–54.

On the popular use and understanding of the divining rod.

1438. WADDELL, Mark A. “Theatres of the Unseen: The Society of Jesus and the Problem of the Invisible in the Seventeenth Century.” *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at Johns Hopkins University, 2006. Adviser: Principe, Lawrence M. UMI pub. no. 3213826. 270 pp.

340-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

1439. ABLONDI, Fred. *Gerauld de Cordemoy: Atomist, Occasionalist, Cartesian.* Marquette Studies in Philosophy, 44. (127 pp.; bibl.; index.) Milwaukee, Wis.: Marquette University Press, 2005. ISBN: 0874626676.

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340-103. MATHEMATICS

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340-110. ASTRONOMY AND COSMOLOGY

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340-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

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340-113. CHEMISTRY

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340-114. ALCHEMY

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340-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

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1547. MORELLO, Nicoletta. "Steno, the Fossils, the Rocks, and the Calendar of the Earth." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 81–94.

1548. MULCAHY, Matthew. *Hurricanes and Society in the British Greater Caribbean, 1624–1783.* (ix + 257 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 0801882230.

Reviews: [ref. R988]

1549. VAI, Gian Battista. "Isostasy in Luigi Ferdinando Marsili's Manuscripts." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 95–128.

1550. WILLMOTH, Frances. "Rumblings in the Air: Understanding Earthquakes in the 1690s." *Endeavour* 31 (2007): 24–29.

On John Flamsteed's ideas that earthquakes were caused by explosions of nitrous and sulphurous particles in the air.

1551. YAMADA, Toshihiro. "Kircher and Steno on the 'Geocosm,' with a Reassessment of the Role of Gassendi's Works." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 65–80.

340-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

1552. ALLEN, David Y. "French Mapping of New York and New England, 1604-1760." *Coord. Online J. Map Geog. Round Table* Ser. A, no. 1 (2005).

Available at `http://www.sunysb.edu/libmap/coordinates/seriesa/no1/a1.pdf`.

1553. ALLEN, David Y. "The So-Called 'Velasco Map': A Case of Forgery?" *Coord. Online J. Map Geog. Round Table* Ser. A, no. 5 (2006).

Argues that the 1610 map of the northeastern U.S. and southeastern Canada may be a 19th-century forgery. Available at `http://www.sunysb.edu/libmap/coordinates/seriesa/no5/a5.pdf`. See also Kirsten A. SEAVER, "Commentary to 'The So-Called Velasco Map' " *Coord. Online J. Map Geog. Round Table* Ser. B, no. 5 (2006)

1554. BOUVET, Joachim. *Journal des voyages.* edited by Claudia von COLLANI. Variétés Sinologiques, 95. (iv + 374 pp.; maps; index.) Taipei: Taipei Ricci Institute, 2005. ISBN: 9579390797.

Bouvet's journal of his 17th-century journey to China.

Reviews: [ref. R139]

1555. DANKU, Gyuri, and Zoltán SÜMEGHY. "The Danckerts *Atlas*: The Production and Chronology of Its Maps." *Imago Mundi* 59 (2007): 43–77.

The publishing history spanned the late 17th and early 18th centuries.

1556. EDWARDS, Jess. *Writing, Geometry, and Space in Seventeenth-Century England and America: Circles in the Sand.* Routledge Studies in Renaissance Literature and Culture, 5. (x + 166 pp.; ill.; bibl.; index.) New York: Routledge, 2006. ISBN: 041532341X.

On mathematics and cartography.

Reviews: [ref. R381]

1557. GOLVERS, Noël. "Jesuit Cartographers in China: Francesco Brancati, S. J., and the Map (1661?) of Sungchiang Prefecture (Shanghai)." *Imago Mundi* 52 (2000): 30–42.

1558. KAEMPFER, Engelbert. *Heutiges Japan.* edited by Detlef HABERLAND, Wolfgang MICHEL, Elisabeth GÖSSMANN, and B. J. TERWIEL. Werke: Bd. 1. (xiv + 777 pp.; ill.; bibl.; index.) München: Ludicium, 2001. ISBN: 3891299311.

See also Engelbert KAEMPFER, *Briefe 1683–1715* edited by Detlef HABERLAND. (2001); Engelbert KAEMPFER, *Zeichnungen japanischer Pflanzen* edited by Brigitte HOPPE and Petra-Andrea HINZ. (2003) [ref. 1586]; Engelbert KAEMPFER, *Engelbert Kaempfer in Siam* edited by B. J. TERWIEL. (2003); Engelbert KAEMPFER, *Notitiae Malabaricae* edited by Albertine GAUR. (2003); Engelbert KAEMPFER, *Russlandtagebuch 1683* edited by Michael SCHIPPAN. (2003).

1559. LYNCH, William T. "Surveying and the Cromwellian Reconquest of Ireland." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 47–84.

1560. MOORE, John N. "John Adair's Contribution to the Charting of the Scottish Coasts: A Re-Assessment." *Imago Mundi* 52 (2000): 43–65.

1561. NAYAR, Pramod K. "Marvelous Excesses: English Travel Writing and India, 1608-1727." *J. Brit. Stud.* 44 (2005): 213–238.

340-122. NATURAL HISTORY

1562. ALLMON, Warren D. "The Evolution of Accuracy in Natural History Illustration: Reversal of Printed Illustrations of Snails and Crabs in Pre-Linnaean Works Suggests Indifference to Morphological Detail." *Arch. Natur. Hist.* 34 (2007): 174–191.

1563. COOPER, Alix. *Inventing the Indigenous: Local Knowledge and Natural History in Early Modern Europe.* (xiii + 218 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2007. ISBN: 0521870879.

On efforts to promote local and indigenous European knowledge of nature in reaction to exotica from abroad.

1564. GRINDLE, Nick. " 'No Other Sign or Note Than the Very Order': Francis Willughby, John Ray and the Importance of Collecting Pictures." *J. Hist. Collect.* 17 (2005): 15–22.

Focusing on drawings of birds and fish, the essay argues that during the 17th century "it was only in the context of a collection that pictures began to take on epistemological significance." (from the abstract)

1565. KILLEEN, Kevin. " 'The Doctor Quarrels with Some Pictures': Exegesis and Animals in Thomas Browne's *Pseudodoxia epidemica*." *Early Sci. Med.* 12 (2007): 1–27.

1566. SEIBOLD-BULTMANN, Ursula. "Science and Natural History in Dresden's *Kupferstichkabinett*." *Interdiscipl. Sci. Rev.* 29 (2004): 228–230.

Describes some of the manuscripts held in this archive.

1567. VALLEDOR DE LOZOYA, Arturo. "An Unnoticed Painting of a White Dodo." *J. Hist. Collect.* 15 (2003): 201–210.

Regarding an oil painting by the 16th-17th century painter Roelandt Savery.

1568. YEO, Richard. "Between Memory and Paperbooks: Baconianism and Natural History in Seventeenth-Century England." *Hist. Sci.* 45 (2007): 1–46.

On the role of memory versus recording information in notebooks.

340-130. BIOLOGICAL SCIENCES, GENERAL WORKS

1569. ANSTEY, Peter R. "Boyle on Seminal Principles." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 597–630.

Examines "Boyle's writings on seminal principles or seeds ... [in his] account of creation, the generation of plants and animals, spontaneous generation, the generation of minerals and disease." (from the abstract)

1570. ARTHUR, Richard T. W. "Animal Generation and Substance in Sennert and Leibniz." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 147–174.

1571. BLANK, Andreas. "Composite Substance, Common Notions, and Kenelm Digby's Theory of Animal Generation." *Sci. Context* 20 (2007): 1–20.

1572. BOYLE, Deborah. "Spontaneous and Sexual Generation in Conway's *Principles*." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 175–193.

1573. DES CHENE, Dennis. "*Animal* as Category: Bayle's 'Rorarius.' " In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 215–231.

1574. DES CHENE, Dennis. "Mechanisms of Life in the Seventeenth Century: Borelli, Perrault, Régis." Part of a special issue: "Mechanisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 245–260.

1575. GIGLIONI, Guido. "The Hidden Life of Matter: Techniques for Prolonging of Life in the Writings of Francis Bacon." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 129–144.

1576. MANNING, Gideon. "Descartes' Philosophy of Biology." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Chicago, 2006. Adviser: Garber, Daniel. UMI pub. no. 3231429. 239 pp.

1577. PYLE, Andrew. "Malebranche on Animal Generation: Preexistence and the Microscope." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 194–214.

340-131. BOTANY
(includes plant sciences)

1578. ANSTEY, Peter R., and Stephen A. HARRIS. "Locke and Botany." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 151–171.

1579. BROUWER, Christine Elisabeth. *Anatomische sekse als uitvinding in de botanie: hoe stampers tot vrouwelijke en meeldraden tot mannelijke geslachtsorganen werden (1675-1735).* (391 pp.; ill.) Proefschrift Universiteit van Amsterdam, 2004. ISBN: 9080838314.

Published dissertation. With summary in English and French.

Reviews: [ref. R161]

1580. FOLEY, M. J. Y. "Christopher Merrett's *Pinax rerum naturalium britannicarum* (1666): Annotations to What Is Believed to Be the Author's Personal Copy." *Arch. Natur. Hist.* 33 (2006): 191–201.

1581. GELLHAUSEN, Ulrich Völler von. *Florilegium, das ist: Ein Blumen Buch.* Introduction by Werner DRESSENDÖRFER. Meisterwerke der Buchillustration. (CD-ROM.) Erlangen: Harald Fischer, 2003. ISBN: 389131423X.

Digitized version of original 1616 edition published in Frankfurt.

Reviews: [ref. R485]

1582. GOLDGAR, Anne. *Tulipmania: Money, Honor, and Knowledge in the Dutch Golden Age.* (xx + 425 pp.; ill.; maps; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226301259.

1583. HOPPE, Brigitte. "The First European Collections of Japanese Plants." *Arch. Int. Hist. Sci.* 53 (2003): 35–44.

1584. HOPPE, Brigitte. "The Transmission of Knowledge on East-Asiatic Plants to Europe in Early Modern Times." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 165–183.

The focus of this article is on 17th- and 18th-century explorers to Japan.

1585. IBÁÑEZ, Neus, Josep M. MONTSERRAT, Ignasi SORIANO, and Josep M. CAMARASA. "Plant Material Exchanged between James Petiver (ca. 1663–1718) and Joan Salvador I Riera (1683–1725). I. The Balearic plants conserved in the BC-Salvador and BM-Sloane herbaria." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 241–248.

1586. KAEMPFER, Engelbert. *Zeichnungen japanischer Pflanzen.* edited by Brigitte HOPPE and Petra-Andrea HINZ. Werke: Bd. 3. (xxxv + 1005 pp.; ill.; bibl.; index.) München: Ludicium, 2003. ISBN: 3891299338.

See also: Engelbert KAEMPFER, *Heutiges Japan* edited by Detlef HABERLAND, Wolfgang

MICHEL, Elisabeth GÖSSMANN, and B. J. TERWIEL. (2001) [ref. 1558].

1587. KLEMUN, Marianne. "Globaler Pflanzentransfer und seine Transferinstanzen als Kultur-, Wissens- und Wissenschaftstransfer der frühen Neuzeit." *Ber. Wissenschaftsgesch.* 29 (2006): 205–223.

1588. ZISER, Michael. "Sovereign Remedies: Natural Authority and the *Counterblaste to Tobacco*." *William Mary Quart.* 62 (2005): 719–744.

On the cultural roles and meanings of tobacco in the early modern world.

340-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1589. LENNOX, James G. "The Comparative Study of Animal Development: William Harvey's Aristotelianism." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 21–46.

340-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

1590. DRAKE, Ellen Tan. "Hooke's Ideas of the Terraqueous Globe and a Theory of Evolution." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 135–149.

1591. FISHER, Saul. "The Soul as Vehicle for Genetic Information: Gassendi's Account of Inheritance." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 103–123.

1592. SMITH, Justin E. H. "Imagination and the Problem of Heredity in Mechanist Embryology." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 80–99.

340-136. NEUROSCIENCE

(see also 151-Psychiatry)

1593. ROUSSEAU, George S. *Nervous Acts: Essays on Literature, Culture and Sensibility.* (xii + 395 pp.; bibl.; index.) Houndmills/New York: Palgrave Macmillan, 2004. ISBN: 1403934533.

Reprints previously published essays, especially about the role of nervous physiology in Enlightenment literature and history.

Reviews: [ref. R1166]

340-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

1594. BLANK, Andreas. "Atoms and Minds in Walter Charleton's Theory of Animal Generation." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 124–143.

1595. FUDGE, Erica. *Brutal Reasoning: Animals, Rationality, and Humanity in Early Modern England.* (x + 224 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2006. ISBN: 9780801444548.

1596. HATFIELD, Gary. "The *Passions of the Soul* and Descartes's Machine Psychology." *Stud. Hist. Phil. Sci.* 38 (2007): 1–35.

1597. HOEFER, Bernadette. " 'I feel, therefore I am': Psychosomatic Manifestations in Seventeenth-Century French Literature." *Diss. Abstr. Int. A* 66/11 (2006): 4041.

Dissertation at Rutgers University, 2005. Adviser: Horowitz, Louise. UMI pub. no. 3195689. 338 pp. Focus on the influence of Spinoza's ideas in France.

340-140. SOCIAL SCIENCES, GENERAL WORKS

(includes criminology, demography, etc.)

1598. MCCORMICK, Ted. "Alchemy in the Political Arithmetic of Sir William Petty (1623–1687)." *Stud. Hist. Phil. Sci.* 37 (2006): 290–307.

Explores Petty's "political preoccupation with 'transmuting the Irish into English' by state manipulation of demography." (from the abstract)

340-142. CULTURAL ANTHROPOLOGY

1599. MATTOS, Hebe. " 'Pretos' and 'Pardos' between the Cross and the Sword: Racial Categories in Seventeenth-Century Brazil." *Rev. Eur. Est. Latin Amer. Carib.* No. 80 (2006): 43–55.

340-144. LINGUISTICS

1600. HELMONT, Franciscus Mercurius van. *The Alphabet of Nature.* Translated with an introduction and annotations by Allison P. COUDERT and Taylor CORSE. Aries Book Series, 3. (xlvi + 213 pp.; ill.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9789004152304.

Van Helmont's treatise on the nature of language.

1601. TILLERY, Denise. "Engendering the Language of the New Science: The Subject of John Wilkin's Language Project." *Eighteenth Cent. Theory Interpr.* 46 (2005): 59–79.

340-145. ARCHAEOLOGY

1602. POLIGNAC, François de. "Francesco Bianchini et les 'cardinaux antiquaires'. Archéologie, science et politique." In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 165–178.

340-146. HISTORY

1603. LEVY, Fritz. "Francis Bacon, *The Advancement of Learning*, and Historical Thought." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 203–221.

340-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

1604. ANAGNOSTOU, Sabine. "Jesuit Missionaries in Spanish America and the Transfer of Medical-Pharmaceutical Knowledge." *Arch. Int. Hist. Sci.* 52 (2002): 176–197.

1605. ARNOLD, Ken. "Skulls, Mummies, and Unicorns' Horns: Medicinal Chemistry in Early English

Museums." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 74–80.

1606. AUCANTE, Vincent. *La philosophie médicale de Descartes.* Science, histoire et société. (xxi + 472 pp.; ill.; bibl.) Paris: Presses universitaires de France, 2006. ISBN: 2130551165.

Reviews: [ref. 1621]

1607. BIRKEN, William. "Merton Revised: English Independency and Medical Conservatism in the Seventeenth Century." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 259–283.

1608. BLÉCOURT, Willem de, and Cornelie USBORNE. (Eds.) *Cultural Approaches to the History of Medicine: Mediating Medicine in Early Modern and Modern Europe.* (xxiii + 241 pp.; ill.; bibl.; index.) New York: Palgrave Macmillan, 2004. ISBN: 1403915695.

1609. CAREY, Daniel. "The Political Economy of Poison: The Kingdom of Makassar and the Early Royal Society." *Renaiss. Stud.* 17 (2003): 517–543.

"Obtaining knowledge of the effects and antidotes of the poison potentially strengthened the position of the English against their key rivals." (from the abstract)

1610. CHURCHILL, Wendy D. "The Medical Practice of the Sexed Body: Women, Men, and Disease in Britain, circa 1600–1740." *Soc. Hist. Med.* 18 (2005): 3–22.

1611. COOPER, Tim. "Richard Baxter and His Physicians." *Soc. Hist. Med.* 20 (2007): 1–19.

Explores how the ill health shaped the theology and literary style of this Puritan pastor in 17th-century England.

1612. CURTH, Louise Hill. "The Medicinal Value of Wine in Early Modern England." *Soc. Hist. Alcohol Drugs* 18 (2003): 35–50.

1613. EGMOND, Florike, and Robert ZWIJNENBERG. (Eds.) *Bodily Extremities: Preoccupations with the Human Body in Early Modern European Culture.* (viii + 235 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2003. ISBN: 0754607267.

Partial contents: Daniela BOHDE, "Skin and the Search for the Interior: The Representation of Flaying in the Art and Anatomy of the Cinquecento," 10-47; Florike EGMOND, "Execution, Dissection, Pain, and Infamy: A Morphological Investigation," 92-128; Paul SMITH, "Dissecting Quaresmeprenant: Rabelais' Representation of the Human Body: A Rhetorical Approach," 129-147; Peter MASON, "Reading New World Bodies," 148-167; José Pardo TOMÁS, "Physicians' and Inquisitors' Stories? Circumcision and Crypto-Judaism in Sixteenth–Eighteenth-Century Spain," 168-194.

Reviews: [ref. R383]

1614. FURDELL, Elizabeth Lane. "Willis and Sydenham on Diabetes: Discovery and Debate in Early Modern English Medicine." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 241–258.

1615. HEYMAN, Jacques. "Hooke and Bedlam." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 153–164.

On Hooke's employment as architect for the new Bethlehem Hospital from 1674–76.

1616. HOMEI, Aya. "Birth Attendants in Meiji Japan: The Rise of a Medical Birth Model and the New Division of Labour." *Soc. Hist. Med.* 19 (2006): 407–424.

1617. HOWARD, Sharon. "Imagining the Pain and Peril of Seventeenth-Century Childbirth: Travail and Deliverance in the Making of an Early Modern World." *Soc. Hist. Med.* 16 (2003): 367–382.

1618. KNOEFF, Rina. "Over 'Het kunstige, toch verderfelyke gestel'. Een cultuurhistorische interpretatie van Bidloos anatomische atlas." *Gewina* 26 (2003): 189–202.

On a debate between Frederik Ruysch and Govard Bidloo on morality and metaphor in anatomical displays.

1619. KRÄMER, Fabian. "Die Individualisierung des Hermaphroditen in Medizin und Naturgeschichte des 17. Jahrhunderts." *Ber. Wissenschaftsgesch.* 30 (2007): 49–65.

1620. LIEBURG, M. J. van. *Nieuw licht op Hendrik van Deventer (1651-1724).* Erasmus Medical Historical Papers, 1. (120 pp.; ill.; bibl.) Rotterdam: Erasmus, 2002. ISBN: 9052351635.

Reviews: [ref. R830]

1621. MANNING, Gideon. "Out on the Limb: The Place of Medicine in Descartes' Philosophy." *Early Sci. Med.* 12 (2007): 214–222.

Essay review of Vincent AUCANTE, *La philosophie médicale de Descartes* (2006) [ref. 1606].

1622. MCMAHON, Vanessa. "Reading the Body: Dissection and the 'Murder' of Sarah Stout, Hertfordshire, 1699." *Soc. Hist. Med.* 19 (2006): 19–35.

1623. MCTAVISH, Lianne. "On Display: Portraits of Seventeenth-Century French Men-Midwives." *Soc. Hist. Med.* 14 (2001): 389–415.

1624. PHILLIPS, Patrick. " 'Fleshes Rage': Ben Jonson and the Plague." *Diss. Abstr. Int. A* 67/02 (2006).

Dissertation at New York University, 2006. Adviser: Gilman, Ernest B. UMI pub. no. 3205671. 219 pp.

1625. RUPP, Jan C. C. "Het theatrum anatomicum: publiekscommunicatief fossiel of 'archetype.' " Part of a special issue: "Geschiedenis van de medische publiekscommunicatie" [ref. 561]. *Gewina* 25 (2002): 191–209.

1626. SIEGEMUND, Justine. *The Court Midwife.* Edited and translated from the German by Lynne TATLOCK. The Other Voice in Early Modern Europe. (xxxi + 260 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2005. ISBN: 0226757080.

Translation of a relatively rare female authored 17th-century obstetrical text.

Reviews: [ref. R1264]

1627. STOLBERG, Michael. *Homo patiens: Krankheits- und Körpererfahrung in der Frühen Neuzeit.* (303 pp.; bibl.; index.) Köln: Böhlau, 2003. ISBN: 3412162027.

Reviews: [ref. R1324]

1628. THOMAS, Samuel S. "Midwifery and Society in Restoration York." *Soc. Hist. Med.* 16 (2003): 1–16.

1629. TUCKER, Holly. *Pregnant Fictions: Childbirth and the Fairy Tale in Early-Modern France.*

(xiii + 213 pp.; ill.; bibl.; index.) Detroit: Wayne State University Press, 2003. ISBN: 0814330428.
Reviews: [ref. R1369]

1630. WALLIS, Patrick. "Plagues, Morality and the Place of Medicine in Early Modern England." *Engl. Hist. Rev.* 121 (2006): 1–24.

1631. WILSON, Phillip K. "Erasmus Darwin and the 'Noble' Disease (Gout): Conceptualizing Heredity and Disease in Enlightenment England." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 133–154.

1632. WORCESTER, Thomas. "A Defensive Discourse: Jesuits on Disease in Seventeenth-Century New France." *French Col. Hist.* 6 (2005): 1–15.

340-152. PUBLIC HEALTH; HEALTH; NUTRITION

1633. COCKAYNE, Emily. *Hubbub: Filth, Noise and Stench in England.* (xiv + 335 pp.; ill.; bibl.; index.) New Haven: Yale University Press, 2007. ISBN: 9780300112146.

340-160. TECHNOLOGY, GENERAL WORKS
(includes architecture)

1634. FERREIRO, Larrie D. *Ships and Science: The Birth of Naval Architecture in the Scientific Revolution, 1600–1800.* Transformations: Studies in the History of Science and Technology. (xxiv + 441 pp.; ill.; bibl.; index.) Cambridge, MA: MIT Press, 2007. ISBN: 0262062593.
Begins with the work *Traité du navire* by the French astronomer Pierre Bouguer to explore the thesis that the birth of naval architecture formed an integral part of the Scientific Revolution in the 17th and 18th centuries.

1635. GOUDEAU, Jeroen, and Sarah-Jane JAEGGI-WOODHOUSE. *Nicolaus Goldmann (1611-1665) en de wiskundige architectuurwetenschap.* (669 pp.; index; ill.) Groningen: Philip Elchers, 2005. ISBN: 9050480888.
Reviews: [ref. R518]

1636. HUDGINS, Carter C. "Articles of Exchange or Ingredients of New World Metallurgy? An Examination of the Industrial Origins and Metallurgical Functions of Scrap Copper at Early Jamestown (c. 1607-17)." *Early Amer. Stud.* 3 (2005): 32–64.

1637. KING, Peter. "The Production and Consumption of Bar Iron in Early Modern England and Wales." *Econ. Hist. Rev.* 58 (2005): 1–33.

1638. KOCKEL, Valentin. "*Ichnographia—Orthographia—Scaenographia* Abbildungsmodi antiker Architektur am Beispiel des 'Columbarium der Liberti der Livia.' " In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 107–133.

1639. LAPERLE, Dominique. *Le grain, la meule et les vents : Le métier de meunier en Nouvelle-France.* (127 pp.; ill.; bibl.) Sainte-Foy, Québec: Éditions GID, 2003. ISBN: 2922668193.
Reviews: [ref. R794]

1640. LOUW, Hentie. "The 'Mechanick Artist' in Late Seventeenth-Century English and French Architecture: The Work of Robert Hooke, Christopher Wren and Claude Perrault Compared as Products of an Interactive Science/Architecture Relationship." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 181–199.

1641. STEVIN, Simon. *"De Huysbou": A Reconstruction of an Unfinished Treatise on Architecture, Town Planning and Civil Engineering by Simon Stevin.* edited by Charles van den HEUVEL. History of Science and Scholarship in the Netherlands, 7. (x + 545 pp.; ill.; bibl.; index.) Amsterdam: Koninklijke Nederlandse Akademie van Wetenschappen, 2005. ISBN: 906984432X.
On the little known work of this mathematician done during the last 20 years of his life.
Reviews: [ref. R1322]

340-161. COMPUTERS; COMMUNICATION TECHNOLOGIES
(includes information sciences)

1642. RATCLIFF, J. R. "Samuel Morland and His Calculating Machines c. 1666: The Early Career of a Courtier–Inventor in Restoration London." *Brit. J. Hist. Sci.* 40 (2007): 159–179.

340-163. AGRICULTURE AND RELATED SCIENCES
(includes animal husbandry, forestry, and food science)

1643. CURTH, Louise Hill. "The Care of the Brute Beast: Animals and the Seventeenth-Century Medical Marketplace." *Soc. Hist. Med.* 15 (2002): 375–392.

1644. TRIVISANI-MOREAU, Isabelle. "Bois et forêts dans l'univers romanesque de la seconde moitié du XVII*e* siécle." *XVIIe Siècle* 57 (2005): 29–39.

350. EIGHTEENTH CENTURY

(includes topics stretching into the 19th century)

350-1. GENERAL HISTORIES OF SCIENCE
(includes interdisciplinary topics and biographies of scientists)

1645. ANDERSON, Robert. "Joseph Priestley: Public Intellectual." *Chem. Heritage* 23, no. 1 (2005): 6–9, 36–38.

1646. ANDREW, Edward. *Patrons of Enlightenment.* (284 pp.; bibl.; index.) Toronto: University of Toronto Press, 2006. ISBN: 0802090648.
"Compares the patron-client relationships in the French, English, and Scottish republics of letters." (from the publisher)
Reviews: [ref. R22]

1647. ARBOLEDA, Luis Carlos, and Diana Soto ARANGO. "Modern Scientific Thought in Santa Fe, Quito, and Caracas, 1736-1803." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 93–122.

1648. BOHLEY, Johanna. *Christian Gottfried Nees von Esenbeck: Ein Lebensbild.* Acta Historica Leopoldina, 42. (244 pp.; ill.; bibl.; index.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720757.
Reviews: [ref. R117]

1649. BREIDBACH, Olaf, and Gian Franco FRIGO. "Zur Rezeption der Naturforschung des mitteldeutschen Raumes an der Universität Padua zwischen 1770 und 1820." *Sudhoffs Arch.* 88 (2004): 32–53.

1650. DARWIN, Erasmus. *The Collected Letters of Erasmus Darwin.* edited by Desmond KING-HELE. (xxxiii + 630 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2007. ISBN: 0521821568.

1651. DETLEFSEN, Karen. "Explanation and Demonstration in the Haller-Wolff Debate." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 235–261.

1652. FAUQUE, Danielle. "Du bon usage de l'éloge : cas de celui de Pierre Bouguer." *Rev. Hist. Sci.* 54 (2001): 351–382.

Focuses on the 1758 biography of Bouguer (a member of the Académie des Sciences), *Éloge de M. Bouguer* by Grandjean de Fouchy.

1653. FITZPATRICK, Martin. (Ed.) *Enlightenment World.* Routledge Worlds. (xxi + 714 pp.; ill.; bibl.; index.) London: Routledge, 2004. ISBN: 0415215757.

Contents: John HENRY, "Science and the Coming of Enlightenment"; Peter SCHOULS, "The Quest for Philosophical Certainty"; Aaron GARRETT, "Enquiry, Scepticism and Enlightenment"; Clare JACKSON, "Progress and Optimism"; Christa KNELLWOLF, "The Science of Man"; Johnson Kent WRIGHT, "Historical Writing in the Enlightenment World"; Larry STEWART, "Science and the Eighteenth-Century Public: Scientific Revolutions and the Changing Format of Scientific Investigation"; John SWEETMAN, "Nature and Art in Enlightenment Culture"; Richard YEO, "Encyclopaedism and Enlightenment"; Carla HESSE, "Print Culture in the Enlightenment"; Kathryn SUTHERLAND, "The New Economics of the Enlightenment."

1654. GOLD, Matthew K. "The Culture of Proof: Science, Religion, and Photography in America, 1780–1875." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at City University of New York, 2006. Adviser: Richardson, Joan T. UMI pub. no. 3232030. 234 pp.

1655. GROULT, Martine, and Sylvain AUROUX. (Eds.) *L'encyclopédie ou la création des disciplines.* (344 pp.; ill.; bibl.; index.) Paris: CNRS, 2003. ISBN: 2271061717.

Reviews: [ref. R545]

1656. ISSITT, John. *Jeremiah Joyce: Radical, Dissenter and Writer.* Science, Technology and Culture, 1700-1945. (xv + 185 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2006. ISBN: 0754638006.

Joyce was "one of the very few artisans at the end of the eighteenth century adopted by the literary and scientific intelligentsia," as well as a science writer, and political activist. (from the publisher)

1657. JUŽNIČ, Stanislav. *Gabriel Gruber: Od ljubljanskega prekopa do jezuitskega generala.* Translated title: [Gabriel Gruber: From Ljubljanese canal to Jesuit general]. In Slovenian. (216 pp.; ill.; bibl.; index.) Ljubljana: Druzina, 2006. ISBN: 9612226075.

On the 18th-century Austrian-born Jesuit, whose work on hydromechanics, navigation, and optics is explored in this volume.

1658. KÖLVING, Ulla, and Irène PASSERON. (Eds.) *Sciences, musiques, lumières : mélanges offerts à Anne-Marie Chouillet.* Publications du Centre international d'étude du XVIIIe siècle, 2. (xxvix + 634 pp.; ill.; bibl.; index.) Ferney-Voltaire, France: Centre international d'étude du XVIIIe siècle, 2002. ISBN: 284559013X.

Divided into four main sections: I. Mathématiciens et philosophes, II. Musiques, III. Origines, organisation et diffusion des idées, IV. Histoire des textes et des livres. Partial contents: Bernard BRU, "Des fraises et des oranges," 3–10 [ref. 1729]; Laurent LOTY, "Mathématiques et théologie : le concours sur l'optimisme de l'Académie de Berlin (1755) : collision des degrés de perfection et collusions entre foi, raison, salut, bonheur, grandeurs négatives, morale, économie et politique," 11-36 [ref. 1733]; Blake T. HANNA, "D'Alembert à l'université," 37–45 [ref. 1702]; Robert GRANDEROUTE, "A propos de l'enseignement des sciences au XVIII*e* siècle ou 'Le mot *algèbre* n'effraie plus que les idiots,' " 47–57 [ref. 1701]; Michel PATY, "Une métaphysique du mouvement au temps de D'Alembert : la théorie du monde du chevalier François de Vivens," 59–81 [ref. 1761]; Marc MASSOT and Alain COSTE, "La notion de fluide chez D'Alembert à la lumière des *Opuscules mathématiques* et de la correspondance," 83–91 [ref. 1751]; Jérôme VIARD, "D'Alembert et le langage scientifique : l'exemple de la force, un malentendu qui perdure," 93–106 [ref. 1663]; Christian GILAIN, "La préface de Condorcet à ses *Essais d'analyse* de 1768," 107–113; Alain CERNUSCHI, "Cordes sonores, cordes vocales, cordes vibrantes... : Du statut de l'acoustique au milieu du XVIII*e* siècle," 115–125 [ref. 1749]; Pierre CRÉPEL, "Quelques voyages d'Italiens réussis ou six encyclopédistes réunis par leurs correspondances," 127–143; Pierre CHARTIER, "Le rêve de Diderot et D'Alembert," 145–151; Colas DUFLO, "Les joueurs de flûte : Diderot et la philosophie distrayante," 153–161; Véronique LE RU, "L'*Encyclopédie* ou l'occasion de philosopher," 163–172 [ref. 1720]; Lucette PEROL, " 'Le sauvage ni le philosophe ne saurait être insolent' : à propos de quelques articles de Diderot sur la transgression dans l'*Encyclopédie*," 173–184; John O'NEAL, "Parole, désir et savoir : le récit interpolé chez Diderot dans *Jacques le fataliste*," 185–194; Marc BUFFAT, "Dialogue et pensée chez Diderot," 195-202; Philip STEWART, "Le rire chez Diderot," 203–212; Madeleine PINAULT SØRENSEN, " 'La nature est belle,' " 213–228 [ref. 1842]; Marie LECA-TSIOMIS, "De l'abari au baobab, ou Diderot naturaliste ironique," 229–238 [ref. 1837]; Clorinda DONATO, "Charles Bonnet et l'*Encyclopédie*," 421–432 [ref. 1707]; Jean-Claude PECKER, "Les astronomes français des Lumières," 433–449 [ref. 1747]; Roger HAHN, "L'image de Newton reconstruite par Laplace," 463–466 [ref. 1756].

Reviews: [ref. R758]

1659. LAMONT-BROWN, Raymond. *Humphry Davy: Life beyond the Lamp.* (xxiii + 199 pp.;

ill.; bibl.; index.) Stroud: Sutton, 2004. ISBN: 0750932317.

Reviews: [ref. R789]

1660. SALDAÑA, Juan José. "Science and Public Happiness during the Latin American Enlightenment." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 51–92.

1661. SCHOFIELD, Robert E. "Joseph Priestley, Natural Philosopher." *Bull. Hist. Chem.* 30 (2005): 57–62.

1662. SLOAN, Kim, and Andrew BURNETT. *Enlightenment: Discovering the World in the Eighteenth Century.* (304 pp.; ill.; bibl.; index.) Washington, D.C.: Smithsonian Books; London: British Museum Press, 2003. ISBN: 158834164X.

1663. VIARD, Jérôme. "D'Alembert et le langage scientifique: l'exemple de la force, un malentendu qui perdure." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 93–106.

350-2. NATIONAL CONTEXTS

1664. CHAPLIN, Joyce E. *The First Scientific American: Benjamin Franklin and the Pursuit of Genius.* (x + 421 pp.; ill.; bibl.; maps; index.) New York: Basic Books, 2006. ISBN: 0465009557.

Reviews: [ref. R233]

350-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1665. ANDERSON, Clara. "Blagden Papers at the Royal Society." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 237–238.

Blagden was a chemist and physician as well as Secretary of the Royal Society from 1784 to 1797.

1666. FIEDLER, Horst, and Ulrike LEITNER. *Alexander von Humboldts Schriften: Bibliographie der selbständig erschienenen Werke.* Beiträge zur Alexander-von-Humboldt-Forschung, 20. (xxi + 499 pp.; ill.; bibl.; index.) Berlin: Akademie Verlag, 2000. ISBN: 3050027924.

350-4. ENCYCLOPEDIAS; DICTIONARIES; REFERENCE WORKS

1667. DONATO, Clorinda. "To Have, to Hold, and to Share: Compiling Scientific Knowledge in the Information Age of the Enlightenment." *Ann. Sci.* 62 (2005): 533–538.

Essay review of Richard R. YEO, *Encyclopaedic Visions* (2001).

350-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1668. THOMAS, Petra. " 'Bilder einer Ausstellung': Das 'Museo Capitolino' und die wissenschaftliche Illustration." In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 235–262.

350-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

1669. ARAUJO, Ana Cristina. "European Public Opinion and the Lisbon Earthquake." *Eur. Rev.* 14 (2006): 313–319.

1670. DE MONTLUZIN, Emily Lorraine. "George Smith of Wigton: Gentleman's Magazine Contributor, Unheralded Scientific Polymath, and Shaper of the Aesthetic of the Romantic Sublime." *Eighteenth-Cent. Life* 28, no. 3 (2004): 66–89.

1671. LYNN, Michael R. *Popular Science and Public Opinion in Eighteenth-Century France.* Studies in Early Modern European History. (ix + 177 pp.; bibl.; index.) Manchester: Manchester University Press, 2006. ISBN: 0719073731.

Examines the content, dissemination, status, audience, and settings of popular science, with discussions of popularizers like Jean-Antoine Nollet and scientific clubs like Jean-François Pilâtre de Rozier's Musée de Monsieur.

1672. PERKINS, David. *Romanticism and Animal Rights.* Cambridge Studies in Romanticism, 58. (xvi + 190 pp.; bibl.; index.) New York: Cambridge University Press, 2003. ISBN: 0521829410.

Reviews: [ref. R1069]

1673. RAVEL, Jeffrey S., and Linda ZIONKOWSKI. (Eds.) *Studies in Eighteenth-Century Culture. Vol. 36.* Studies in Eighteenth-Century Culture, 36. (312 pp.; ill.; bibl.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 9780801885983.

Partial contents: Daniel ROSENBERG, "Joseph Priestley and the Graphic Invention of Modern Time"; Mary MCALPIN, "Julie's Breasts, Julie's Scars: Physiology and Character in *La Nouvelle Héloïse*"; Ann B. SHTEIR, "*Flora primavera or Flora meretrix?* Iconography, Gender, and Science"; Göran BLIX, "The Occult Roots of Realism: Balzac, Mesmer, and Second Sight."

350-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

1674. GINSBERG, Judah B. "Priestley, Jefferson, and Adams: The Emigre and American Politics." *Bull. Hist. Chem.* 30 (2005): 92–102.

350-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1675. BRADBURY, Jill Marie. "New Science and the 'New Species of Writing': Eighteenth-Century Prose Genres." *Eighteenth-Cent. Life* 27, no. 1 (2003): 28–51.

1676. BUESCO, Helena Carvalhão. "Seeing too Much: The 1755 Earthquake in Literature." *Eur. Rev.* 14 (2006): 329–338.

1677. CIANCIO, Luca. *Teatro del mutamento: immagini del Tempio di Serapide tra geologia, architettura e pittura di paesaggio (1750–1850).* Documenti INTERART, 2. (180 pp.; ill.; bibl.; index.) Rovereto: Nicolodi, 2005. ISBN: 8884472180.

Catalog of an exhibition held in Palazzo delle Albere, Museo di arte moderna e contemporanea di Trento e Rovereto, Trento, in 2005/2006.

1678. CUMMINGS, Johanna Mari. "Staging Science: The Invisible Forces in the Plays of Elizabeth Inchbald." *Diss. Abstr. Int. A* 67/06 (2006): 2165.

Dissertation at The University of New Mexico, 2006. Adviser: Woodward, Carolyn. UMI pub. no. 3220928. 167 pp. Regarding the 18th-century English playwright's work that incorporates the invisible sciences of flight, spiritualism, and mesmerism.

1679. DUPRÉ, Sven. Essay review. *Aestimatio* 2 (2005): 24–32.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-03-01_Dupre.pdf. Essay review of Arnaud MAILLET, *The Claude Glass* (2004).

1680. FARA, Patricia. "Lunar Philosophers." *Endeavour* 31 (2007): 4–6.

On famous and oft-reprinted paintings by Joseph Wright of Derby and what they reveal about his contemporaries in the Lunar Society.

1681. NICKELSEN, Kärin. " 'On employera les meilleurs Graveurs pour les Figures': Zeichner und Stecher der Berliner Akademie der Wissenschaften, 1700–1806." *Ber. Wissenschaftsgesch.* 29 (2006): 293–323.

1682. NOWKA, Scott Aaron. "Character Matters: Enlightenment Materialism and the Novel." *Diss. Abstr. Int. A* 67/07 (2007): 2593.

Dissertation at The University of Iowa, 2006. Adviser: Gidal, Eric. UMI pub. no. 3225657. 200 pp. Includes an analysis of the work of philosopher David Hartley.

1683. READY, Kathryn J. " 'What then, poor Beastie!': Gender, Politics, and Animal Experimentation in Anna Barbauld's 'The Mouse's Petition.' " *Eighteenth-Cent. Life* 28, no. 1 (2004): 92–114.

1684. SCALERA, Giancarlo. "Mattia Damiani (1705–1776), Poet and Scientist in Eighteenth-Century Tuscany." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 141–156.

Damiani was the author of a collection of scientific poems on two subjects: Newtonian physics and the plurality of the worlds.

350-28. SCIENCE AND RELIGION

1685. BASSNETT, Susan. "Faith, Doubt, Aid and Prayer: The Lisbon Earthquake of 1755 Revisited." *Eur. Rev.* 14 (2006): 321–328.

Considers reactions to the earthquake by John and Charles Wesley and how it affected their sermons and hymns; contrasts this with Anglican response to disasters in 2005.

1686. WIGELSWORTH, Jeffrey Robert. " 'Their grosser degrees of infidelity': Deists, Politics, Natural Philosophy, and the Power of God in Eighteenth-Century England." *Diss. Abstr. Int. A* 67/10 (2007).

Dissertation at The University of Saskatchewan (Canada), 2006. Pub. no. AAT NR18165. 370 pp.

350-29. SCIENCE AND WAR

1687. PESTRE, Dominique. (Ed.) *Deux siècles d'histoire de l'armement en France : de Gribeauval à la force de frappe.* CNRS histoire. (427 pp.; ill.; bibl.) Paris: CNRS éditions, 2005. ISBN: 2271063027.

Reviews: [ref. R1073]

350-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

1688. ANDERSON, R. G. W., M. L. CAYGILL, A. G. MACGREGOR, and L. SYSON. (Eds.) *Enlightening the British: Knowledge, Discovery and the Museum in the Eighteenth Century.* (x + 195 pp.; ill.; bibl.; index.) London: British Museum Press, 2003. ISBN: 071415010X.

Contents: Giles WATERFIELD, "Anticipating the Enlightenment: Museums and Galleries in Britain before the British Museum," 5-10; Debora J. MEIJERS, "Sir Hans Sloane and the European Proto-Museum," 11-17; Richard YEO, "Encyclopaedic Collectors: Ephraim Chambers and Sir Hans Sloane," 29-36; David MCKITTERICK, "Wantonness and Use: Ambitions for Research Libraries in Early Eigtheenth-Century England," 37-48; Lisa JARDINE, "Paper Monuments and Learned Societies: Hooke's Royal Society Repository," 49-54; Robert ANDERSON, "The Status of Instruments in Eighteenth-Century Cabinets," 55-61 [ref. 1698]; Ken ARNOLD, "Skulls, Mummies, and Unicorns' Horns: Medicinal Chemistry in Early English Museums," 74-80 [ref. 1605]; Hugh S. TORRENS, "Natural History in Eighteenth-Century Museums in Britain," 81-91 [ref. 1846]; Bengt JONSELL, "Linnaues, Solander and the Birth of a Global Plant Taxonomy," 92-98 [ref. 1870]; Neil CHAMBERS, "Joseph Banks, the British Museum and Collections in the Age of Empire," 99-113 [ref. 1691]; John MACK, " 'Ethnography' in the Enlightenment," 114-118 [ref. 1894]; T. G. H. JAMES, "Napoleon and Egyptology: Britain's Debt to French Enterprise," 149-157; Sam SMILES, "Record and Reverie: Representing Antiquity in the Eighteenth Century," 176-184.

1689. BÖHME-KASSLER, Katrin. *Gemeinschaftsunternehmen Naturforschung: Modifikation und Tradition in der Gesellschaft Naturforschender Freunde zu Berlin, 1773–1906.* Pallas Athene, 15. (218 pp.; ill.; bibl.; index.) Stuttgart: Steiner, 2005. ISBN: 3515087222.

1690. CHAMBERS, Neil. *Joseph Banks and the British Museum: The World of Collecting, 1770–1830.* (xiv + 195 pp.; ill.; bibl.; index.) London: Pickering & Chatto, 2007. ISBN: 185196858X.

1691. CHAMBERS, Neil. "Joseph Banks, the British Museum and Collections in the Age of Empire." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 99–113.

1692. CIARDI, Marco. "Concorsi e premi all'Accademia delle Scienze di Torino: programmi di ricerca e strategie di politica scientifica." *Nuncius* 15 (2000): 741–749.

1693. CROSLAND, Maurice. *Scientific Institutions and Practice in France and Britain, c. 1700–c. 1870.* Variorum Collected Studies Series. (xiv + 421 pp.;

ill.; index.) Burlington, VT: Ashgate, 2007. ISBN: 9780754659136.

1694. HONEYBONE, Michael. “Sociability, Utility and Curiosity in the Spalding Gentlemen’s Society, 1710–60.” In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 63–75.

1695. MACGREGOR, Arthur. “William Huddesford (1732–1772): His Role in Reanimating the Ashmolean Museum, His Collections, Researches and Support Network.” *Arch. Natur. Hist.* 34 (2007): 47–68.

1696. MINIATI, Mara. “Preface.” Special issue: “Felice Fontana and His Collections.” *Nuncius* 21 (2006): 247–249.

Contents: Simone CONTARDI, “The Origins of a Scientific Institution. Felice Fontana and the Birth of the Real Museo di Fisica e Storia Naturale di Firenze,” 251–264; Curzio CIPRIANI, “Felice Fontana and the Formation of the Naturalistic Collections of the Imperial Royal Museum of Physics and Natural History of Florence,” 265–294; Anna MÄRKER, “The Anatomical Models of La Specola: Production, Uses, and Reception,” 295–321 [ref. 1920]; Paola BERTUCCI, “Public Utility and Spectacular Display: The Physics Cabinet of the Royal Museum in Florence (1775),” 323–336; Renato G. MAZZOLINI, “Visitors to Florence’s R. Museum of Physics and Natural History from September 1784 to October 1785,” 337–348; Giuseppe OLMI, “ ‘A Wonderful Collection Indeed!’: The Royal Museum of Florence in the Testimony of Two Travellers,” 349–365.

1697. SÖLCH, Brigitte. “Das ‘Museo Ecclesiastico’. Beginn einer neuen Sammlungsära im Vatikan.” In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 179–205.

See also: Paolo LIVERANI, “Il ‘Museo Ecclesiastico’ e dintorni,” 207–234.

350-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

1698. ANDERSON, Robert. “The Status of Instruments in Eighteenth-Century Cabinets.” In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 55–61.

1699. TAYLOR, J. C., and A. W. WOLFENDALE. “John Harrison: Clockmaker and Copley Medalist. A Public Memorial at Last.” *Notes Rec. Roy. Soc. Lond.* 61 (2007): 53–62.

1700. ZUIDERVAART, Huib J. “ ‘Zo’n mooie machine, waarvan de kwaliteit door alle astronomen wordt erkend’. Een biografie van een vrijwel niet gebruikte telescoop.” *Gewina* 26 (2003): 148–165.

350-42. SCIENCE EDUCATION

(includes history of educational institutions)

1701. GRANDEROUTE, Robert. “A propos de l’enseignement des sciences au XVIII^{e} siècle ou ‘Le mot *algèbre* n’effraie plus que les idiots.’ ” In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 47–57.

1702. HANNA, Blake T. “D’Alembert à l’université.” In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 37–45.

About the time d’Alembert spent at the University of Paris.

1703. LEACH, Camilla. “Religion and Rationality: Quaker Women and Science Education 1790–1850.” *Hist. Educ.* 35 (2006): 69–90.

350-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

1704. BOTS, Hans, and Robert Paul Willem VISSER. (Eds.) *La correspondance, 1785–1787, de Petrus Camper, 1722–1789 et son fils, Adriaan-Gilles Camper, 1759–1820.* Lias, 28. (304 pp.; ill.; bibl.) Amsterdam: APA-Holland University Press, 2002. ISBN: 9030210982.

Letters between the Dutch anatomist/naturalist and his son.

Reviews: [ref. R130]

1705. CIANCIO, Luca. “Secondo contributo all’inventario del carteggio di Alberto Fortis.” *Nuncius* 18 (2003): 691–702.

1706. DE CAROLIS, Stefano, Andrea A. CONTI, and Donatella LIPPI. “Un carteggio inedito tra Antonio Cocchi e Giovanni Bianchi.” *Nuncius* 18 (2003): 619–636.

1707. DONATO, Clorinda. “Charles Bonnet et l’*Encyclopédie*.” In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 421–432.

1708. REIS, Fernando Egídio. “Scientific Dissemination in Portuguese Encyclopaedic Periodicals, 1779-1820.” *Hist. Sci.* 45 (2007): 83–118.

1709. ZINSSER, J. P. “Mentors, the Marquise Du Châtelet and Historical Memory.” *Notes Rec. Roy. Soc. Lond.* 61 (2007): 89–108.

350-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

1710. CHRISTOPHER, Milbourne. “Magic in Early Baltimore.” *Maryland Hist. Mag.* 100 (2005): 273–278.

1711. HOCHADEL, Oliver. “Aufklärung durch Täuschung, Die Natürliche Magie im 18. Jahrhundert.” *Ber. Wissenschaftsgesch.* 27 (2004): 137–147.

On mechanical speaking figures that were purported to divine, and on the attack on these suspected frauds by philosophers and magicians.

350-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

1712. BREITENBACH, Angela. “Mechanical Explanation of Nature and Its Limits in Kant’s *Critique of Judgment*.” Part of special issue: “Kantian Teleology and the Biological Sciences” [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 694–711.

1713. COTIN, Jacques, and Mariana SAAD. (Eds.) *Mécanisme et vitalisme, La Belle et la Bête: naissance et métamorphoses d’un conte.* Lettre de la Maison française d’Oxford, 14. (212 pp.; ill.) Oxford: Maison française d’Oxford, 2001.

Proceedings of conferences which took place in Oxford during May 2001. Partial contents: François AZOUVI, "Le vitalisme en Allemagne, en France et en Grande-Bretagne au XVIIIe siècle"; Ann THOMSON, "Mechanistic Materialism vs. Vitalistic Materialism"; Hubert STEINKE, "Hailer's Concept of Irritability and Sensibility and Its Reception in France"; Dominique BOURY, "Bordeu et Barthez : le malentendu 'vitaliste' "; Caroline WARMAN, "Charts and Signposts: Following Vitalism and Mechanism through the *Encyclopédie* (1754-1772), the *Encyclopédie Méthodique* (1787-1830) and the *Dictionnaire des Sciences Médicales* (1812-1822)"; Timo KAITARO, " 'Man is an Admirable Machine'—A Dangerous Idea?"; Anne DEVARIEUX, "Diderot et Maine de Biran : une question d'acoustique."

1714. D'ALEMBERT, Jean Le Rond. *Discours préliminaire de l'Encyclopédie.* edited by Michel MALHERBE. Textes et commentaires. (209 pp.; bibl.) Paris: Librairie philosophique J. Vrin, 2000. ISBN: 2711614204.
Reviews: [ref. R298]

1715. DUNÉR, David Immanuel. "Världsmaskinen: Emanuel Swedenborgs naturfilosofi." Translated title: [The world machine: Emanuel Swedenborg's natural philosophy]. In Swedish. *Diss. Abstr. Int. C* 66/02 (2005): 292.
Dissertation at Lunds Universitet (Sweden), 2004. UMI pub. no. C820263. 560 pp.

1716. EDDY, M. D. "The Medium of Signs: Nominalism, Language and the Philosophy of Mind in the Early Thought of Dugald Stewart." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 373–393.

1717. GOWER, Barry. "The Metaphysics of Science in the Romantic Era." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 17–29.

1718. KANT, Immanuel. *Metaphysical Foundations of Natural Science.* edited by Michael FRIEDMAN. Translated by Michael FRIEDMAN. Cambridge Texts in the History of Philosophy. (xxxvii + 119 pp.; bibl.; index.) Cambridge, UK: Cambridge University Press, 2004. ISBN: 0521836166.
Reviews: [ref. R709]

1719. LARSEN, Svend Erik. "The Lisbon Earthquake and the Scientific Turn in Kant's Philosophy." *Eur. Rev.* 14 (2006): 359–367.

1720. LE RU, Véronique. "L'*Encyclopédie* ou l'occasion de philosopher." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 163–172.

1721. MATTON, Sylvain. (Ed.) *Tintinnabulum naturae : Rêveries d'un individu semi homme semi bête engendré d'une négresse et d'un orang-outang. Suivi de pensées métaphisiques lancées dans le tourbillon et de quelques poésies et pièces fugitives, par un solitaire de Champagne.* Anecdota: collection de textes inédits pour servir à l'histoire des idées, 3. (248 pp.; index.) Paris: Séha, 2002. ISBN: 8872522374.
Reviews: [ref. R905]

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1824. POSTNIKOV, Aleksey V. "The Russian Navy as Chartmaker in the Eighteenth Century." *Imago Mundi* 52 (2000): 79–95.

1825. SCALVA, Giuse. "Un viaggio scientifico alla metà del secolo XVIII. Inventario del carteggio intorno al *Viaggio in Levante* di Vitaliano Donati." *Nuncius* 18 (2003): 637–690.

1826. WOOD, W. Raymond. *Prologue to Lewis and Clark: The Mackay and Evans Expedition.* Foreword by James P. RONDA. The American Exploration and Travel Series, 79. (xviii + 234 pp.; ill.; bibl.; index.) Norman: University of Oklahoma Press, 2003. ISBN: 0806134917.

1827. ZAYTSEV, Aleksey K. "The Three Earliest Charts of Akhtiar (Sevastopol') Harbour." *Imago Mundi* 52 (2000): 112–123.

350-122. NATURAL HISTORY

1828. BEIDLEMAN, Richard G. *California's Frontier Naturalists.* (xv + 484 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2006. ISBN: 0520230108.

On the botanists, zoologists, geologists, paleontologists, astronomers, and ethnologists who came to California's wilderness in the period from 1781

(the La Pérouse Expedition) to 1890-91 (the Death Valley expedition).

Reviews: [ref. R75]

1829. BEWELL, Alan. "A Passion that Transforms: Picturing the Early Natural History Collector." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 28–53.

Focuses on the 18th and 19th centuries.

1830. CAMARASA, Josep M., and Neus IBÁÑEZ. "Joan Salvador and James Petiver: A Scientific Correspondence (1706–1714) in Time of War." *Arch. Natur. Hist.* 34 (2007): 140–173.

Correspondence between a Catalan apothecary and the director of the Chelsea Physic Garden.

1831. CIANCIO, Luca. "Raccogliere minerali e fossili nel Settecento: le 'istruzioni' di John Woodward (1696) e di John Strange (1772) a confronto." *Schede Umanistiche* 18, no. 1 (2004): 45–76.

1832. DICKINSON, Edward C., Murray D. BRUCE, and Robert J. DOWSETT. "*Vivarium naturae or the naturalist's miscellany* (1789-1813) by George Shaw: An Assessment of the Dating of the Parts and Volumes." *Arch. Natur. Hist.* 33 (2006): 322–343.

On dating and authorship of avian names.

1833. DIETZ, Bettina. "Mobile Objects: The Space of Shells in Eighteenth-Century France." *Brit. J. Hist. Sci.* 39 (2006): 363–382.

1834. FAIRHEAD, Elizabeth S. C. "Essential Nature: Bartram's Garden and Natural History in Philadelphia, 1790–1825." *Diss. Abstr. Int. A* 67/05 (2006): 1883.

Dissertation at Michigan State University, 2005. Adviser: Bailey, David T. UMI pub. no. 3216128. 164 pp.

1835. FOSTER, Paul. "The Gibraltar Collections: Gilbert White (1720–1793) and John White (1727–1780), and the Naturalist and Author Giovanni Antonio Scopoli (1723–1788)." *Arch. Natur. Hist.* 34 (2007): 30–46.

1836. KNIGHT, Harriet. "Rearranging Seventeenth-Century Natural History into Natural Philosophy: Eighteenth-Century Editions of Boyle's Works." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 31–42.

1837. LECA-TSIOMIS, Marie. "De l'abari au baobab, ou Diderot naturaliste ironique." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 229–238.

1838. LIU, Yu. "The Importance of the Chinese Connection: The Origin of the English Garden." *Eighteenth-Cent. Life* 27, no. 3 (2003): 70–98.

1839. MYERS, Charles W., and Richard B. STOTHERS. "The Myth of Hylas Revisited: The Frog Name *Hyla* and Other Commentary on *Specimen Medicum* of J. N. Laurenti, the 'Father of Herpetology.' " *Arch. Natur. Hist.* 33 (2006): 241–266.

1840. OLSON, Storrs L., and Judith N. LUND. "Whalers and Woggins: A New Vocabulary for Interpreting Some Early Accounts of the Great Auk and Penguin." *Arch. Natur. Hist.* 34 (2007): 69–78.

1841. OLSON, Storrs L., Leslie OVERSTREET, and Judith N. LUND. "An Alca-Bibliographical Study of *The English Pilot*: The History of Its Account of the Great Auk (Alcidae: *Pinguinus impennis*)." *Arch. Natur. Hist.* 34 (2007): 79–86.

1842. PINAULT SØRENSEN, Madeleine. " 'La nature est belle.' " In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 213–228.

On Diderot's views of nature and the link between nature and the arts.

1843. SEBA, Albertus. *Cabinet of Natural Curiosities: Locupletissimi rerum naturalium thesauri 1734–1765.* (587 pp.; ill.; bibl.) Köln / London: Taschen, 2001. ISBN: 3822816000.

1844. SIVIERO, Monica, and Carlo VIOLANI. "Drawings for an Exacting Author: Illustrations from Giovanni Antonio Scopoli's *Deliciae florae et faunae insubricae*." *Arch. Natur. Hist.* 33 (2006): 214–231.

1845. SLOAN, Phillip R. "Kant on the History of Nature: The Ambiguous Heritage of the Critical Philosophy for Natural History." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 627–648.

1846. TORRENS, Hugh S. "Natural History in Eighteenth-Century Museums in Britain." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 81–91.

1847. VOS, Paula S. De. "Research, Development, and Empire: State Support of Science in the Later Spanish Empire." *Col. Latin Amer. Rev.* 15 (2006): 55–79.

350-123. ECOLOGY; ENVIRONMENTAL SCIENCES *(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)*

1848. BOURNE, W. R. P. "Short Note: The Scottish Wildlife Clearances." *Arch. Natur. Hist.* 33 (2006): 344–347.

On the 18th-19th century clearing of land of human and wildlife populations for sheep farming.

1849. CAMPANELLA, Thomas J. " 'Mark Well the Gloom': Shedding Light on the Great Dark Day of 1780." *Environ. Hist.* 12 (2007): 35–58.

On theological and amateur scientific reaction to an unusual weather event in New England.

1850. JOHNSON, Sherry. "El Niño, Environmental Crisis, and the Emergence of Alternative Markets in the Hispanic Caribbean, 1760s-70s." *William Mary Quart.* 62 (2005): 365–410.

350-124. PALEONTOLOGY

1851. TASSY, Pascal. "The Earliest Tooth of the American Mastodon and the Emergence of the Concept of Fossil Species." *Amer. Paleon.* 11 (2003): 3–5.

On fossils studied by 18th-century British and French anatomists.

350-130. BIOLOGICAL SCIENCES, GENERAL WORKS

1852. BOSCHUNG, Urs. "Der Leipziger Medizinprofessor Christian Gottlieb Ludwig in seinen Briefen an Albrecht von Haller." In *Die Universität Leipzig und*

ihr gelehrtes Umfeld 1680–1780, edited by MARTI and DÖRING (2004) [ref. 1433], 409–445.

Correspondence covering a wide variety of topics from botany to physiology and pathology.

1853. CEGLIA, Francesco Paolo de. "Soul Power: Georg Ernst Stahl and the Debate on Generation." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 262–284.

1854. DUCHESNEAU, François. "Charles Bonnet's Neo-Leibnizian Theory of Organic Bodies." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 285–314.

1855. GIUDICE, Franco, and Gianni BONERA. "Lorenzo Mascheroni e Alessandro Volta: un dialogo tra scienza e poesia." *Nuncius* 18 (2003): 549–576.

Focuses on a debate about a type of electricity posited to be particular to living beings.

1856. HUNEMAN, Philippe. "Naturalising Purpose: From Comparative Anatomy to the 'Adventure of Reason.'" Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 649–674.

1857. LOOK, Brandon C. "Blumenbach and Kant on Mechanism and Teleology in Nature: The Case of the Formative Drive." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 355–372.

1858. LOVELAND, Jeff. "Another Daubenton, Another *Histoire naturelle*." *J. Hist. Biol.* 39 (2006): 457–491.

1859. MAZZOLINI, Renato. "*Las Castas*: Interracial Crossing and Social Structure, 1770–1835." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 349–373.

1860. PÉQUIGNOT, Amandine. "Une peau entre deux feuilles, l'usage de l''herbier' en taxidermie aux XVIII^{e} et XIX^{e} siècles en France." *Rev. Hist. Sci.* 59 (2006): 127–136.

1861. QUARFOOD, Marcel. "Kant on Biological Teleology: Towards a Two-Level Interpretation." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 735–747.

1862. RICHARDS, Robert J. "Kant and Blumenbach on the *Bildungstrieb*: A Historical Misunderstanding." Part of special issue: "Function, Teleology and Design" [ref. 439]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 11–32.

1863. TERADA, Motoichi. "La sphygmologie chinoise et la mise au point d'une nouvelle conception vitaliste de l'économie animale par des vitalistes montpelliérains." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 149–163.

1864. TERRALL, Mary. "Speculation and Experiment in Enlightenment Life Sciences." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 253–275.

Uses cases in heredity and generation to understand broader Enlightenment notions about active matter, organic organization, and method.

1865. ZAMMITO, John. "Kant's Early Views on Epigenesis: The Role of Maupertuis." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 317–354.

350-131. BOTANY
(includes plant sciences)

1866. BERETTA, Marco, and Alessandro TOSI. (Eds.) *Linnaeus in Italy: The Spread of a Revolution in Science.* Uppsala Studies in History of Science, 34. (xxiii + 340 pp.; ill.; bibl.; index.) Sagamore Beach: Science History Publications/USA, 2007. ISBN: 0881353930.

Contributors: Carl-Olof JACOBSON, Ilva Segerdahl BERETTA, Gabriella Berti LOGAN, Gina DOUGLAS, Giuse SCALVA, Renato G. MAZZOLINI, Marc J. RATCLIFF, Marco BERETTA, Simone CONTARDI, Federico TOGNONI, Alessandra FERRARESI, Luca CIANCIO, Ezio VACCARI, Marta STEFANI, Giuliana FORNERIS, Marta CAVAZZA, Alessandro OTTAVIANI, Gino Leonardo Di MITRI, Alessandro TOSI, and Ferdinando ABBRI.

1867. BOURGUET, Marie-Noëlle. "Measurable Difference: Botany, Climate, and the Gardener's Thermometer in Eighteenth-Century France." In *Colonial Botany*, edited by SCHIEBINGER and SWAN (2005) [ref. 456], 270–286.

1868. BREGMAN, Leigh Davin. "'For Sale': Botanists and the Commercial Trade in Botanical Specimens at the Cape of Good Hope, 1750-1850." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 247–263.

1869. GEORGE, Sam. "From Modest Shoot to Forward Plant: Botany and the Cultivation of the Female Mind in Eighteenth-Century Literature." *Diss. Abstr. Int. C* 67/02 (2006): 498.

Dissertation at the University of York, 2005. UMI pub. no. C825059. 301 pp. Looks at works of Priscilla Wakefield, Maria Jacson, Frances Arabella Rowden, Charlotte Smith, and Sarah Hoare.

1870. JONSELL, Bengt. "Linnaues, Solander and the Birth of a Global Plant Taxonomy." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 92–98.

1871. KLEMUN, Marianne. "Austrian Botanical Collection Journeys (1783-1792): Network-Patterns in Expeditions: Global Intentions Interwoven with Local Dimensions." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 233–245.

1872. LINDSAY, Ann. *Seeds of Blood and Beauty: Scottish Plant Explorers.* (296 pp.; ill.; bibl.; index.) Edinburgh: Birlinn, 2005. ISBN: 9781841583457.

Discusses men such as William Wright (1735–1810) and Francis Masson (1741–1805), in a discussion of the practicalities of scientific exploration in the 18th and 19th centuries.

Reviews: [ref. R838]

1873. LOGAN, Gabriella Berti. "Women and Botany in Risorgimento Italy." *Nuncius* 19 (2004): 601–628.

1874. MCMAHON, Susan. "Boundary Work: 'National Quarrels and Party Factions' in Eighteenth-

Century British Botany." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 43–61.

1875. MÜLLER-WILLE, Staffan. "Joining Lapland and the Topinambes in Flourishing Holland: Center and Periphery in Linnaean Botany." *Sci. Context* 16 (2003): 461–488.

1876. MÜLLER-WILLE, Staffan. "Linnaeus' Herbarium Cabinet: A Piece of Furniture and Its Function." *Endeavour* 30 (2006): 60–64.

On the significance of Linnaeus's herbarium, the sheets of which he left unbound and housed in a special cabinet.

1877. NICKELSEN, Kärin. "Draughtsmen, Botanists and Nature: Constructing Eighteenth-Century Botanical Illustrations." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 1–25.

1878. RATCLIFF, Marc J. "Duchesne's Strawberries: Between Growers' Practices and Academic Knowledge." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 205–228.

1879. VIERECK, Regina. *"Zwar sind es weibliche Hände", Die Botanikerin und Pädagogin Catharina Helena Dörrien (1717–1795).* (179 pp.; ill.) Frankfurt; New York: Campus, 2000. ISBN: 3593365804; 9783593365800.

350-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1880. CHEUNG, Tobias. "Hermann Samuel Reimarus' Theorie der 'Lebensarten' und 'Triebe.'" *Sudhoffs Arch.* 90 (2006): 143–160.

1881. COLEMAN, Deirdre. "Entertaining Entomology: Insects and Insect Performers in the Eighteenth Century." *Eighteenth-Cent. Life* 30 (2006): 107–134.

1882. D'HOMBRES, Emmanuel. "La régulation du 'milieu intérieur'. Étude sur le devenir physiologique de la terminologie de la régulation (XVIII^{e}-XIX^{e} siècles)." *Arch. Int. Hist. Sci.* 56 (2006): 43–79.

Focuses on work by Claude Bernard.

1883. KNOEFF, Rina. "Chemistry, Mechanics and the Making of Anatomical Knowledge: Boerhaave vs. Ruysch on the Nature of the Glands." *Ambix* 53 (2006): 201–219.

350-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

1884. DELISLE, Richard G. "The Biology/Culture Link in Human Evolution, 1750–1950: The Problem of Integration in Science." *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 531–556.

1885. LÓPEZ-BELTRÁN, Carlos. "Storytelling, Statistics and Hereditary Thought: The Narrative Support of Early Statistics." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 41–58.

Explores shift to a statistical explanation of hereditary phenomena by looking at 18th-century French medicine and 19th-century English natural history.

1886. MÜLLER-WILLE, S., and V. OREL. "From Linnaean Species to Mendelian Factors: Elements of Hybridism, 1751-1870." *Ann. Sci.* 64 (2007): 171–215.

An "analysis of publications on hybridization by Carl Linnaeus, Joseph Gottlieb Koelreuter, Carl Friedrich Gärtner, and Mendel." (from the abstract)

1887. RUSE, Michael. "Kant and Evolution." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 402–415.

1888. VAN WYHE, John. "Mind the Gap: Did Darwin Avoid Publishing His Theory for Many Years?" *Notes Rec. Roy. Soc. Lond.* 61 (2007): 177–205.

Argues that Darwin's delay in publishing is a recent historiographical theme and is contradicted by the evidence.

1889. WILSON, Catherine. "Kant and the Speculative Sciences of Origins." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 375–401.

350-135. PHYSICAL ANTHROPOLOGY; HUMAN BIOLOGY

(includes human evolution, primatology; for human body, see also 150-Medicine)

1890. COHEN, Alix A. "Kant on Epigenesis, Monogenesis and Human Nature: The Biological Premises of Anthropology." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 675–693.

350-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

1891. RUNEFELT, Leif. "Dygden, nyttan och begären: Affektläran i frihetstida etisk och psykologisk litteratur." Translated title: [Virtue, utility, and desire: The teachings on affect in the ethical and psychological literature of the Era of Liberty]. In Swedish. *Lychnos* (2004): 19–44.

1892. STURM, Thomas. "Is There a Problem with Mathematical Psychology in the Eighteenth Century? A Fresh Look at Kant's Old Argument." *J. Hist. Behav. Sci.* 42 (2006): 353–377.

350-140. SOCIAL SCIENCES, GENERAL WORKS

(includes criminology, demography, etc.)

1893. HOWELL, Peter. "Godwin, Contractarianism, and the Political Dead End of Empiricism." *Eighteenth-Cent. Life* 28, no. 2 (2004): 61–86.

350-142. CULTURAL ANTHROPOLOGY

1894. MACK, John. "'Ethnography' in the Enlightenment." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 114–118.

350-143. ECONOMICS

1895. BOWLER, Richard C. "Menschenbild und Wirtschaftsordnung: Der Menschenbegriff im Kameralismus und in der Nationalökonomie." *Ber. Wissenschaftsgesch.* 25 (2002): 283–299.

1896. DWYER, John. "Ethics and Economics: Bridging Adam Smith's *Theory of Moral Sentiments* and *Wealth of Nations*." *J. Brit. Stud.* 44 (2005): 662–687.

1897. MOKYR, Joel. "The Intellectual Origins of Modern Economic Growth." *J. Econ. Hist.* 65 (2005): 285–351.

1898. VOLKMANN, Laurenz. "Wem gehört Adam Smith? Gedanken zur Auseinandersetzung um das geistige Erbe des schottischen Philosophen und Ökonomen." *Ber. Wissenschaftsgesch.* 26 (2003): 285–295.

350-146. HISTORY

1899. KELLEY, Donald R. "The Rise of Prehistory." *J. World Hist.* 17 (2003): 17–36.

Brief survey of the idea of human prehistory as understood during the 18th and 19th centuries.

1900. SWEET, Rosemary. *Antiquaries: The Discovery of the Past in Eighteenth-Century Britain.* (xxi + 473 pp.; ill.; bibl.; index.) London: Hambledon and London, 2004. ISBN: 1852853093.

Reviews: [ref. R1337]

350-150. MEDICAL SCIENCES, GENERAL WORKS

(includes human anatomy and physiology; see also 135-Physical anthropology)

1901. ANROMAN, Gilda Marie. "Infectious Disease in Philadelphia, 1690–1807: An Ecological Perspective." *Diss. Abstr. Int. A* 67/06 (2006): 2205.

Dissertation at University of Maryland, College Park, 2006. Adviser: Sies, Mary Corbin. UMI pub. no. 3222311. 320 pp.

1902. BALASINGHAM, Anjali. "The Representation of Pregnancy in Eighteenth-Century French Literature." *Diss. Abstr. Int. A* 67/03 (2006).

Dissertation at Columbia University, 2006. Adviser: May, Gita. UMI pub. no. 3209337. 281 pp.

1903. BERTUCCI, Paola. "Revealing Sparks: John Wesley and the Religious Utility of Electrical Healing." *Brit. J. Hist. Sci.* 39 (2006): 341–362.

1904. BLACKWELL, Mark. " 'Extraneous Bodies': The Contagion of Live-Tooth Transplantation in Late-Eighteenth-Century England." *Eighteenth-Cent. Life* 28, no. 1 (2004): 21–68.

1905. BONTAITES, Camella Geneva. "The Effects on the Nature of Medical Discourse on the Sense of Spatiality and Self Image of Eighteenth Century Women." *Diss. Abstr. Int. A* 67/05 (2006): 1876.

Dissertation at California Institute of Integral Studies, 2006. Adviser: Shearer, Cindy. UMI pub. no. 3218514. 163 pp. Focus is on childbirth and pregnancy.

1906. CASH, Philip. *Dr. Benjamin Waterhouse: A Life in Medicine and Public Service (1754-1846).* (xi + 516 pp.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 0881352640.

1907. COSTA, Palmira Fontes da, and António JESUS. "António Ribeiro Sanches and the Circulation of Medical Knowledge in Eighteenth-Century Europe." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 185–197.

1908. CROXSON, Bronwyn. "The Foundation and Evolution of the Middlesex Hospital's Lying-In Service, 1745–86." *Soc. Hist. Med.* 14 (2001): 27–57.

1909. EIJNATTEN, Joris Van. "Bilderdijk's Head Meta-Medical Reflections of an Afflicted Poet." *Soc. Hist. Med.* 18 (2005): 337–356.

On the Dutch poet Willem Bilderdijk (1756-1831) and his medical reflections on his body.

1910. ESSER, Raingard, and Thomas FUCHS. (Eds.) *Bäder und Kuren in der Aufklärung: Medizinaldiskurs und Freizeitvergnügen.* Aufklärung und Europa, 11. (183 pp.; ill.) Berlin: Berliner Wissenschafts-Verlag, 2003. ISBN: 3830503644.

Reviews: [ref. R401]

1911. FERGUSON, Angus H. "The Lasting Legacy of a Bigamous Duchess: The Benchmark Precedent for Medical Confidentiality." *Soc. Hist. Med.* 19 (2006): 37–53.

1912. FINGER, Stanley. *Doctor Franklin's Medicine.* (xiii + 379 pp.; ill.; bibl.; index.) Philadelphia: University of Pennsylvania Press, 2006. ISBN: 081223913X.

On Benjamin Franklin.

Reviews: [ref. R427]

1913. HÄUSNER, Sabine. *Der Arzt und Medizinalrat Friedrich Wilhelm von Hoven (1759-1838): sein Leben, seine Werke und seine Freundschaft zu Friedrich Schiller.* Würzburger medizinhistorische Forschungen, 81. (151 pp.; ill.; bibl.) Würzburg: Königshausen & Neumann, 2003. ISBN: 3826027191.

Reviews: [ref. R590]

1914. HERRLE-FANNING, Jeanette. "Of Forceps and Folios: Eighteenth-Century British Midwifery Publications and the Construction of Professional Identity." *Diss. Abstr. Int. A* 67/02 (2006).

Dissertation at City University of New York, 2004. Adviser: Anderson, Bonnie UMI pub. no. 3204140. 340 pp.

1915. ISHIZUKA, Hisao. "The Elasticity of the Animal Fibre: Movement and Life in Enlightenment Medicine." *Hist. Sci.* 44 (2006): 435–468.

1916. LABOUVIE, Eva. "Alltagswissen - Körperwissen - Praxiswissen - Fachwissen. Zur Aneignung, Bewertungs- und Orientierungslogik von Wissenskulturen." *Ber. Wissenschaftsgesch.* 30 (2007): 119–134.

"The essay explores changes in the understanding, legitimisation, and practice of midwifery" in the 18th century. (from the abstract)

1917. LOTTI, S., A. ALTOBELLI, S. BAMBI, and M. POGGESI. "Illustrations of the Anatomical Wax Model Collection in the 'La Specola' Zoology Museum, Florence." *Arch. Natur. Hist.* 33 (2006): 232–240.

The collection of wax models was created in the 18th century; illustrations were produced to explain the models.

1918. MADDEN, Deborah. "Contemporary Reaction to John Wesley's *Primitive Physic*: Or, the Case of

Dr. William Hawes Examined." *Soc. Hist. Med.* 17 (2004): 365–378.

1919. MARIÉ, Éric. "Un exemple de transmission du savoir entre la Chine et l'Europe au XVIIIe siècle : les communications et échanges sur le diagnostic par les pouls." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 133–147.

1920. MÄRKER, Anna. "The Anatomical Models of La Specola: Production, Uses, and Reception." *Nuncius* 21 (2006): 295–321.

1921. PLETT, Peter C. "Peter Plett und die übrigen Entdecker der Kuhpockenimpfung vor Edward Jenner." *Sudhoffs Arch.* 90 (2006): 219–232.

1922. RAZZELL, Peter, and Christine SPENCE. "The Hazards of Wealth: Adult Mortality in Pre-Twentieth-Century England." *Soc. Hist. Med.* 19 (2006): 381–405.

1923. RENNER, Andreas. "Wissenstransfer auf dem Prüfstand: Europäische Mediziner im Kampf gegen die Pest von Moskau 1771." *Ber. Wissenschaftsgesch.* 29 (2006): 191–204.

1924. SAMAYOA, Marianne B. "More Than Quacks: Seeking Medical Care in Late Colonial New Spain." Roy Porter Student Prize Essay. *Soc. Hist. Med.* 19 (2006): 1–18.

1925. SCHLUMBOHM, Jürgen. " 'The Pregnant Women Are Here for the Sake of the Teaching Institution': The Lying-In Hospital of Göttingen University, 1751 to c. 1830." *Soc. Hist. Med.* 14 (2001): 59–78.

1926. SCHNALKE, Thomas. "Dissected Limbs and the Integral Body: On Anatomical Wax Models and Medical Moulages." In a special issue on "Illustrating Science." *Interdiscipl. Sci. Rev.* 29 (2004): 312–322.

Comparison of anatomical wax models of the 18th century with medical wax casts ("moulages") from the period 1850–1950.

1927. SMITH, Lisa W. "Reassessing the Role of the Family: Women's Medical Care in Eighteenth-Century England." Society for the Social History of Medicine Student Millennium Prize Essay. *Soc. Hist. Med.* 16 (2003): 327–342.

1928. TRÖHLER, Ulrich. "Quantifying Experience and Beating Biases: A New Culture in Eighteenth-Century British Clinical Medicine." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 19–50.

1929. WEAVER, Karol K. " 'She Crushed the Child's Fragile Skull': Disease, Infanticide, and Enslaved Women in Eighteenth-Century Saint-Domingue." *French Col. Hist.* 5 (2004): 93–109.

1930. WIESEMANN, Claudia. *Die Heimliche Krankheit: Eine Geschichte des Suchtbegriffs.* Medizin und Philosophie, 4. (218 pp.; bibl.; index.) Stuttgart-Bad Cannstatt: Frommann-Holzboog, 2000. ISBN: 377282000X.

A history of the concept of drug addiction and the German reception of the ideas of Scotsman John Brown in the 18th and early 19th centuries.

350-151. PSYCHIATRY; MEDICAL PSYCHOLOGY

(see also 136-Neurosciences and 137-Psychology)

1931. HOUSTON, R. A. "The Face of Madness in Eighteenth-and Early Nineteenth-Century Scotland." *Eighteenth-Cent. Life* 27, no. 2 (2003): 49–66.

On the belief that madness could be identified through facial appearance.

350-152. PUBLIC HEALTH; HEALTH; NUTRITION

1932. BROBERG, Gunnar. "Mat och levnadskonst: Arkiater Linné ger goda råd." Translated title: [The art of living and the art of eating: Professor Linnaeus recommends]. In Swedish. [ref. 583]. *Lychnos* (2005): 151–174.

1933. CURTIS, Stephan M. "Nutrition and Scarlet Fever Mortality during the Epidemics of 1860–90: The Sundsvall Region." *Soc. Hist. Med.* 17 (2004): 199–221.

1934. JENNER, Mark. "Death, Decomposition and Dechristianisation? Public Health and Church Burial in Eighteenth-Century England." *Engl. Hist. Rev.* 120 (2005): 615–632.

1935. MARKS, Harry M. "When the State Counts Lives: Eighteenth-Century Quarrels over Inoculation." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 51–64.

1936. RUSNOCK, Andrea. "Quantifying Infant Mortality in England and France, 1750-1800." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 65–86.

1937. WILLIAMS, Samantha. "Practitioners' Income and Provision for the Poor: Parish Doctors in the Late Eighteenth and Early Nineteenth Centuries." *Soc. Hist. Med.* 18 (2005): 159–186.

350-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

1938. BETTIN, Hartmut, and Christoph FRIEDRICH. "Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770 bis 1837)—mehr als eine pharmaziegeschichtliche Quellenedition." *Ber. Wissenschaftsgesch.* 25 (2002): 213–227.

1939. BETTIN, Hartmut, Christoph FRIEDRICH, and Wolfgang GÖTZ. (Eds.) *Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770–1837).* Acta historica Leopoldina, 18 no. 9. (309 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2006. ISBN: 3804722881.

Trommsdorff was a well known pharmacist.

1940. SIMMONS, Anna. "Medicines, Monopolies and Mortars: The Chemical Laboratory and Pharmaceutical Trade at the Society of Apothecaries in the Eighteenth Century." *Ambix* 53 (2006): 221–236.

1941. SMITH, Angie. "Weighed in the Balance? The Corporation of Apothecaries in Bordeaux, 1690–1790." *Soc. Hist. Med.* 16 (2003): 17–37.

1942. TESIO, Stéphanie. "Pharmacie et univers thérapeutique en Basse-Normandie et dans la vallée du Saint Laurent au XVIII siècle. Praticiens, organisation, pratiques. Une étude comparative." *Diss. Abstr. Int. A* 67/10 (2007).

Dissertation at Université Laval (Canada), 2006. Pub. no. AAT NR20153. 847 pp.

1943. TROMMSDORFF, Johan Bartholomäus. *Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770-1837).* Bearbeitet und kommentiert von Wolfgang GÖTZ und Christoph FRIEDRICH, unter Mitarbeit von Hartmut BETTIN. Lieferung 4: Gehlen-Hermbstaedt. Acta Historica Leopoldina, Nr. 18, Lfg. 4. (223 pp.; ill.; bibl.; index.) Halle, Saale: Deutsche Akademie der Naturforscher Leopoldina, 1999. ISBN: 3335006054.

Trommsdorff's major work was in pharmacy and pharmaceutical chemistry.

350-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

1944. LEWIS, C. G. "Hugh Henshall, 1734–1816." *Trans. Newcomen Soc.* 76 (2006): 101–114.

Biography of a British surveyor, engineer, and canal proprietor who worked closely with the developer of the English canal system.

1945. PORTER, Lindsey. *Ecton Copper Mines: Under the Dukes of Devonshire, 1760–1790.* (240 pp.; ill.; maps; bibl.; index.) Ashbourne, Derbyshire: Landmark, 2004. ISBN: 1843061252.

Reviews: [ref. R1091]

1946. RICHARDSON, Christine. "James Brindley (1716–72)—His Simultaneous Commercial Development of Mills, Steam Power, and Canals." *Trans. Newcomen Soc.* 76 (2006): 251–258.

1947. TYLER, David. "Humphrey Gainsborough (1718-1776): Cleric, Engineer and Inventor." *Trans. Newcomen Soc.* 76 (2006): 51–86.

1948. VOSKUHL, Adelheid Clara. "The Mechanics of Sentiment: Music-Playing Women Automata and the Culture of Affect in Late Eighteenth-Century Europe." *Diss. Abstr. Int. A* 67/11 (2007).

Dissertation at Cornell University, 2007. Adviser: Dear, Peter. Pub. no. AAT 3242195. 264 pp. "Examines the construction and interpretation of two android automata, both displaying music-playing women." (from the abstract)

350-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

(includes information sciences)

1949. MITCHELL, Elizabeth Kathleen. "Mechanical Reproduction and the Mechanical Philosophy: The Idea of Originality in Eighteenth-Century British Printmaking." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of California, Santa Barbara, 2006. Adviser: Bermingham, Ann. Pub. no. AAT 3250123. 289 pp. Focus on William Hogarth, 17th-century English painter, printmaker, and satirist.

350-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1950. STEWART, Mart A. "From King Cane to King Cotton: Razing Cane in the Old South." *Environ. Hist.* 12 (2007): 59–79.

1951. WOOD, Roger J. "The Sheep Breeders' View of Heredity before and after 1800." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 229–250.

360. NINETEENTH CENTURY

(includes topics stretching into the 20th century)

360-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1952. BIESTER, Björn. *Der innere Beruf zur Wissenschaft: Paul Ruben (1866–1943): Studien zur deutsch-jüdischen Wissenschaftsgeschichte.* Hamburger Beiträge zur Wissenschaftsgeschichte, 14. (vii + 315 pp.; ill.; bibl.; index.) Berlin: Reimer, 2001. ISBN: 3496027037.

Reviews: [ref. R105]

1953. BLACKMORE, John T., Ryoichi ITAGAKI, and Setsuko TANAKA. (Eds.) *Ernst Mach's Science: Its Character and Influence on Einstein and Others.* (304 pp.; ill.; bibl.; index.) Minamiyana, Hadano-shi, Kanagawa: Tokai University Press, 2006. ISBN: 4186031881.

"Provides a detailed account of Mach's contributions to physiology, psychology, medicine, and experimental and theoretical physics." (from the review in *Hist. Stud. Phys. Biol. Sci.*)

Reviews: [ref. R110]

1954. COEN, Deborah R. *Vienna in the Age of Uncertainty: Science, Liberalism, and Private Life.* (352 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226111728.

A study of the period through a close focus on the Exner family, which had close association with many of the most important scientific figures of fin-de-siècle and early 20th-century Vienna.

1955. DARWIN, Charles. *The Correspondence of Charles Darwin,* Vol. 13: *1865. Supplement 1822–1864.* edited by Frederick BURKARDT, Duncan M. PORTER, Sheila Ann DEAN, Samantha EVANS, Shelley INNES, Alison M. PEARN, Andrew SCLATER, Paul S. WHITE, and Sarah WILMONT. (xxxvii + 695 pp.; bibl.; index.) Cambridge: Cambridge University Press, 2002. ISBN: 9780521824132.

Reviews: [ref. R317]

1956. DIXON, Thomas. "The Invention of Altruism: Auguste Comte's *Positive Polity* and Respectable Unbelief in Victorian Britain." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 195–211.

1957. DUNLAP, Thomas R. "Is Half a Humboldt Better Than None? Numbers and Wisdom in Natural History." *Rev. Amer. Hist.* 35 (2007): 225–231.

Essay review of Aaron SACHS, *The Humboldt Current* (2006) [ref. 1967].

1958. FÜSSL, Wilhelm. *Oskar von Miller 1855–1934: Eine Biographie.* (452 pp.; ill.; bibl.; index.) München: Beck, 2005. ISBN: 3406529003.

Biography of the founding director of the Deutsches Museum in Munich and architect of Germany's electrical industry.

Reviews: [ref. R470]

1959. GREEN MUSSELMAN, Elizabeth. *Nervous Conditions: Science and the Body Politic in Early Industrial Britain.* (xi + 276 pp.; ill.; bibl.; index.) Albany: State University of New York Press, 2006. ISBN: 0791466795.

On how scientists' own physical weaknesses are important to consider in understanding the way that they developed their disciplined mental skills. Considers major British thinkers such as John Dalton, Lord Kelvin, Charles Babbage, and John Herschel.

Reviews: [ref. R531]

1960. JONES, Rajkumari Williamson. "John Dalton's Summer Holiday of 1840." *Manchester Region History Review* 16 (2002–2003): 13–21.

1961. KNOBLOCH, Eberhard. "Alexander von Humboldt: The Explorer and the Scientist." *Centaurus* 49 (2007): 3–14.

1962. LEWENS, Tim. *Darwin.* Routledge Philosophers. (xii + 289 pp.; bibl.; index.) London; New York: Routledge, 2007. ISBN: 0415346371.

Reviews: [ref. R827]

1963. MILLER, Sally M., and Daryl MORRISON. (Eds.) *John Muir: Family, Friends, and Adventures.* (xii + 281 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2005. ISBN: 0826335306.

Contents: Bonnie Johanna GISEL, "Introduction: Meeting John Muir's Family, Friends, and Adventures Between the *Calypso borealis* and the *Araucaria imbricata*," 1-14; Ruth E. SUTTER, "John Muir and the John Swett Family," 15-30; Daryl MORRISON, "John Muir and the Bairns: Muir and His Relationship with Children," 31-64; Ronald H. LIMBAUGH, "California's Kindred Spirits: John Muir and William Keith," 65-82; Ronald H. LIMBAUGH, "Pride, Prejudice, and Patrimony: The Dispute Between George Wharton James and the Family and Friends of John Muir," 83-104; Ronald EBER, " 'Wealth and Beauty': John Muir and Forest Conservation," 105-120; Char MILLER, "With Friends Like These: John Muir, Gifford Pinchot, and the Drama of Environmental Politics," 121-148; Daniel J. PHILIPPON, "Domesticity, Tourism, and the National Parks in John Muir's Late Writings," 149-168; Barbara MOSSBERG, "If Trees Are Us: A Relativity Theory Showing the Genius of John Muir's Domestic Vision of Nature for Public Policy and the National Ethos," 169-202; James Perrin WARREN, "Near and Far: Burroughs and Muir on the Harriman Alaska Expedition," 203-214; Bonnie Johanna GISEL, " 'Those Who Walk Apart But Ever Together Are True Companions': Jeanne Carr and John Muir in the High Sierra," 215-234; Corey LEWIS, "Meeting Muir's Mountains," 235-248; Michael P. BRANCH, "John Muir's Travels to South America and Africa," 249-266.

1964. MORUS, Iwan Rhys. "(Stop) Talking About Victorian Science." *Ann. Sci.* 64 (2007): 93–100.

Essay review of Geoffrey CANTOR, Gowan DAWSON, Graeme GOODAY, Richard NOAKES, Sally SHUTTLEWORTH, and Johnathan R. TOPHAM, *Science in the Nineteenth Century Periodical* (2004); Arthur Jack MEADOWS, *The Victorian Scientist* (2004).

1965. OLDROYD, David. "Following the Money: An Internalist Social History of a Scientist." *Metascience* 14 (2005): 391–399.

Essay review of Jack MORRELL, *John Phillips and the Business of Victorian Science* (2005).

1966. PATTON, Mark. *Science, Politics, and Business in the Work of Sir John Lubbock: A Man of Universal Mind.* Science, Technology and Culture, 1700-1945. (x + 270 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2007. ISBN: 9780754653219.

1967. SACHS, Aaron. *The Humboldt Current: Nineteenth-Century Exploration and the Roots of American Environmentalism.* (xii + 496 pp.; ill.; maps; bibl.; index.) New York: Viking, 2006. ISBN: 0670037753.

Argues that Humboldt had significant impact on American science and views of nature (including literary ones); focuses on four American explorer-naturalists: J. N. Reynolds, Clarence King, George Wallace Melville, and John Muir.

Reviews: [ref. 1957]

1968. SCHULTZ, Bart. *Henry Sidgwick, Eye of the Universe: An Intellectual Biography.* (xx + 858 pp.; bibl.; index.) Cambridge, UK; New York: Cambridge University Press, 2004. ISBN: 0521829674.

Reviews: [ref. R1229]

1969. WERNER, Petra. "Humboldt als Vermittler: Schleiden und Mohl contra Liebig." *Hist. Phil. Life Sci.* 23 (2001): 213–257.

On the role of German *Naturphilosophie* in the disciplinary disputes concerning botany, physiological chemistry, and plant morphology.

1970. ZHANG Han-jing. "On Sun Yat-sen's thoughts about developing science and technology." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 1 (2006): 85–87.

On Sun's ideas about the need for China to develop science and technology to revitalize the country.

1971. ZOTT, Regine. "Justus Liebig (1803–1873): Erstrebtes, Erreichtes und mancherlei Effekte." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 73–96.

360-2. NATIONAL CONTEXTS

1972. CLIFFORD, David, Elisabeth WADGE, Alex WARWICK, and Martin WILLIS. (Eds.) *Repositioning Victorian Science: Shifting Centers in Nineteenth-Century Scientific Thinking.* (x + 254 pp.; bibl.; ill.) London: Anthem Press, 2006. ISBN: 1843312123.

Contents: Alex WARWICK, "Margins and Centres," 1-13; Caroline TROWBRIDGE, " 'Speakers Concerning the Earth': Ruskin's Geology after 1860," 17-30 [ref. 2311]; Sherrie LYONS, "Swimming at the Edges of Scientific Respectability: Sea Serpents in the Victorian Era," 31-44 [ref. 2342]; Alastair J. DURIE, " 'The Drugs, the Blister and the Lancet Are All Laid Aside': Hydropathy and Medical Orthodoxy in Scotland, 1840–1900," 45-57 [ref. 2542]; Alison BUTLER, "Anna Kingsford: Scientist and Sorceress," 59-69 [ref. 2089];

Lucy HARTLEY, "A Science for One or a Science for All? Physiognomy, Self-Help and the Practical Benefits Science," 71-82 [ref. 2470]; Susan David BERNSTEIN, " 'Supposed Differences': Lydia Becker and Victorian Women's Participation in the BAAS," 85-93 [ref. 2046]; Elisabeth WADGE, "A Fair Trial for Spiritualism? Fighting Dirty in the *Pall Mall Gazette*," 95-106 [ref. 2093]; James MUSSELL, " 'This Is Ours and for Us': The *Mechanic's Magazine* and Low Scientifc Culture in Regency London," 107-117 [ref. 1994]; Ted UNDERWOOD, "How Did the Conservation of Energy Become 'The Highest Law in All Sciences'?" 119-130 [ref. 2002]; John M. LYNCH, " 'Scriptural Geology': *Vestiges of the Natural History of Creation* and Contested Authority in Nineteenth-Century British Science," 131-141 [ref. 2036]; Donald L. OPITZ, " 'This House Is a Temple of Research': Country-House Centers for Late Victorian Science," 143-153 [ref. 2087]; Bernd KLÄHN, "Fresnel's Particular Waves: Models of Light as Catalytic Modes of Worldmaking in Early Modern Times," 157-170 [ref. 313]; David CLIFFORD, "Repopulating Heaven: Victorian Lunar Studies and the Anxiety of Loneliness," 171-181 [ref. 2151]; Peter NACCARATO, " 'You Should Get Your Head Examined': Freudian Psychoanalysis and the Limits of Nineteenth-Century Science," 183-196 [ref. 2476]; Heike BAUER, "Scholars, Scientists and Sexual Inverts: Authority and Sexology in Nineteenth-Century Britain," 197-206 [ref. 2493]; Martin WILLIS, "Unmasking Immorality: Popular Oppositions to Laboratory Science in Late Victorian Britain," 207-218 [ref. 2003].

1973. DAUNTON, Martin. (Ed.) *The Organisation of Knowledge in Victorian Britain.* British Academy Centenary Monographs. (vii + 424 pp.; bibl.; index.) Oxford; New York: Published for the British Academy by Oxford University Press, 2005. ISBN: 0197263267.

Contents: John PICKSTONE, "Science in Nineteenth-Century England: Plural Configurations and Singular Politics," 29-60 [ref. 2088]; Jim ENDERSBY, "Classifying Sciences: Systematics and Status in Mid-Victorian Natural History," 61-85 [ref. 2377]; Lawrence GOLDMAN, "Victorian Social Science: From Singular to Plural," 87-114 [ref. 2496]; Keith TRIBE, "Political Economy and the Science of Economics in Victorian Britain," 115-137 [ref. 2514]; Daniel J. COHEN, "Reason and Belief in Victorian Mathematics," 139-158 [ref. 2115]; Frank M. TURNER, "Victorian Classics: Sustaining the Study of the Ancient World," 159-172; Michael BENTLEY, "The Evolution and Dissemination of Historical Knowledge," 173-197 [ref. 2518]; Josephine M. GUY, "Specialisation and Social Utility: Disciplining English Studies," 199-217; Carol ATHERTON, "The Organisation of Literary Knowledge: The Study of English in the Late Nineteenth Century," 219-234; John R. GIBBINS, " 'Old Studies and New': The Organisation of Knowledge in University Curriculum," 235-261 [ref. 2073]; James RAVEN, "The Promotion and Constraints of Knowledge: The Changing Structure of Publishing in Victorian Britain," 263-286 [ref. 1997]; David MCKITTERICK, "Libraries, Knowledge and Public Identity," 287-312; Max JONES, "Measuring the World: Exploration, Empire and the Reform of the Royal Geographical Society, c.1874–93," 313-336 [ref. 2324]; Samuel J. M. M. ALBERTI, "Civic Cultures and Civic Colleges in Victorian England," 337-356; W. C. LUBENOW, "Intimacy, Imagination and the Inner Dialetics of Knowledge Communities: The Synthetic Society, 1896–1908," 357-370; Mary BEARD and Christopher STRAY, "The Academy Abroad: The Nineteenth-Century Origin of the British School at Athens," 371-387; Richard DRAYTON, "The Strange Late Birth of the British Academy," 389-400.

Reviews: [ref. R322]

1974. KLEMUN, Marianne. "Natural Science and Geology as a Medium of Integration: The *Versammlung deutscher Naturforscher und Ärzte* in Prague in 1837 and the Meetings of German Natural Scientists and Physicians during the '*Vormärz*' (1822–1848)." *Centaurus* 48 (2006): 284–297.

1975. SHARP, Patrick B. *Savage Perils: Racial Frontiers and Nuclear Apocalypse in American Culture.* (xiii + 270 pp.; ill.; bibl.; index.) Norman: University of Oklahoma Press, 2007. ISBN: 080613822X.

A study of the conflict between civilization and savagery in American culture, manifest in the American response to Darwinian ideas concerning race in the 19th century and again in the nuclear age.

1976. XU Fei and MAO Shi-zhen. "Historical influence of Chinese educational mission students on the development of science and technology in modern China in the Qing Dynasty." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 2 (2005): 89–93.

On the contributions made by Chinese mission students who studied in America.

360-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1977. CASATI, Stefano. "La donazione 'Galileo Ferraris.' " *Nuncius* 19 (2004): 659–666.

Bibliography of Ferraris's library now held by the Istituto e Museo di Storia della Scienza di Firenze.

1978. HOSSFELD, Uwe, and Olaf BREIDBACH. *Haeckel-Korrespondenz: Ubersicht über den Briefbestand des Ernst-Haeckel-Archivs.* (xxi + 810 pp.; ill.) Berlin: VWB, Verlag für Wissenschaft und Bildung, 2005. ISBN: 3861354896.

Reviews: [ref. R649]

1979. SCHMITHALS, Friedeman. (Ed.) *Wilhelm Ostwald: Ein Lesebuch.* Mitteilungen der Wilhelm-Ostwald-Gesellschaft zu Grossbothen e.V., Sonderheft 17. (196 pp.) Grossbothen: Vorstand der Wilhelm-Ostwald-Gesellschaft, 2004.

See also Karl HANSEL and Ulrike KÖCKRITZ (eds.), *Wilhelm Ostwald Gesamtschriftenverzeichnis* (2003) [ref. 2230] and James ALTENA and Karl HANSEL (eds.), *Wilhelm Ostwald Gesamtschriftenverzeichnis* (2002) [ref. 2211]

Reviews: [ref. R1216]

360-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1980. BREIDBACH, Olaf. *Visions of Nature: The Art and Science of Ernst Haeckel.* (299 pp.; ill.;

index; bibl.) Munich; London: Prestel, 2006. ISBN: 3791336649.

Reviews: [ref. R150]

1981. SECORD, James. "Scrapbook Science: Composite Caricatures in Late Georgian England." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 164–191.

1982. SMITH, Jonathan. *Charles Darwin and Victorian Visual Culture.* (xxiii + 329 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2006. ISBN: 0521856906.

On Darwin's use of illustrations in his works.

Reviews: [ref. R1283]

1983. TUCKER, Jennifer. "Gender and Genre in Victorian Scientific Photography." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 140–163.

360-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS *(includes popular culture; popularization of science; public understanding of science)*

1984. ANGER, Suzy, Bernard LIGHTMAN, and Christopher HERBERT. "Book Review Forum." *Victorian Stud.* 45 (2003): 485–511.

Includes two reviews and a reply by the author. Essay review of Christopher HERBERT, *Victorian Relativity* (2001).

1985. BARNETT, Richard. "Education or Degeneration: E. Ray Lankester, H. G. Wells and *The Outline of History*." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 203–229.

1986. BOWLER, Peter J. "From Science to the Popularisation of Science: The Career of J. Arthur Thomson." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 231–248.

1987. ENGELHARDT, Dietrich von. "Bildung, Politik und Gesellschaft im Denken der romantischen Naturforscher um 1800." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 149–164.

1988. FYFE, Aileen. "Expertise and Christianity: High Standards *versus* the Free Market in Popular Publishing." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 113–126.

1989. GATES, Barbara T. "Those Who Drew and Those Wrote: Women and Victorian Popular Science Illustration." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 192–213.

1990. JONES, Rajkumari Williamson, and Terry WYKE. "Representations and Remembrances of Scientists in Manchester." *Manchester Region History Review* 17 (2004): 10–17.

1991. KELSEY, Robin. *Archive Style: Photographs and Illustrations for U.S. Surveys, 1850–1890.* (xii + 273 pp.; ill.; maps; bibl.; index.) Berkeley: University of California Press, 2007. ISBN: 9780520249356.

1992. KINRAIDE, Rebecca Brookfield. "The Society for the Diffusion of Useful Knowledge and the Democratization of Learning in Early Nineteenth-Century Britain." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Broman, Thomas H. UMI pub. no. 3222947. 223 pp.

1993. KNIGHT, David. *Public Understanding of Science: A History of Communicating Scientific Ideas.* Routledge Studies in the History of Science, Technology and Medicine, 26. (232 pp.; bibl.; index.) London; New York: Routledge, 2006. ISBN: 0415206383.

Covers the period from the French Revolution to the First World War.

1994. MUSSELL, James. " 'This Is Ours and for Us': The *Mechanic's Magazine* and Low Scientifc Culture in Regency London." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 107–117.

1995. MUSSELL, Jim. "The 'Reviewers Reviewed': Science in the Nineteenth-Century Periodical." *Metascience* 14 (2005): 363–370.

Essay review of Louise HENSON, Geoffrey CANTOR, Gowan DAWSON, Richard NOAKES, Sally SHUTTLEWORTH, and Jonathan R. TOPHAM (eds.), *Culture and Science in the Nineteenth-Century Media* (2004); Geoffrey CANTOR, Gowan DAWSON, Graeme GOODAY, Richard NOAKES, Sally SHUTTLEWORTH, and Johnathan R. TOPHAM, *Science in the Nineteenth Century Periodical* (2004).

1996. PETTIT, Michael. " 'The Joy in Believing': The Cardiff Giant, Commercial Deceptions, and Styles of Observation in Gilded Age America." *Isis* 97 (2006): 659–677.

1997. RAVEN, James. "The Promotion and Constraints of Knowledge: The Changing Structure of Publishing in Victorian Britain." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 263–286.

1998. SHELANGOSKIE, Susan. "Transmitting the Home: Photography, Telegraphy and Victorian Domestic Narratives." *Diss. Abstr. Int. A* 66/11 (2006): 4034.

Dissertation at The University of Utah, 2006. Adviser: Stockton, Kathryn Bond. UMI pub. no. 3194836. 194 pp. "This study examines the specific relationship between domestic narratives and two related technological processes: photography and telegraphy." (from the abstract)

1999. SNYDER, Laura J. *Reforming Philosophy: A Victorian Debate on Science and Society.* (x + 386 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226767337.

On the debate between William Whewell and John Stuart Mill regarding the reform of philosophy and its role in political and social reform.

Reviews: [ref. R1292]

2000. SPRAUL-SCHMIDT, Judith. "Exhibiting the Changing World through the Ohio Mechanics Institute: From Annual Fairs and Exhibitions to Grand Expositions, 1838–1888." *Ohio Val. Hist.* 5 (2005): 37–46.

2001. TESLOW, Tracy. "Representing the Art and Industry of Progress: Cincinnati's Grand Exposition Posters." *Ohio Val. Hist.* 5 (2005): 47–54.

2002. UNDERWOOD, Ted. "How Did the Conservation of Energy Become 'The Highest Law in All Sciences'?" In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 119–130.

Claims that the emerging industrial system and the worldview associted with it was central.

360-21. SCIENCE AND ETHICS

2003. WILLIS, Martin. "Unmasking Immorality: Popular Oppositions to Laboratory Science in Late Victorian Britain." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 207–218.
Concerns animal experimentation.

360-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS
(includes science policy, patronage, international relations)

2004. ENGELHARDT, Dietrich von, Andreas KLEINERT, and Johanna BOHLEY. (Eds.) *Christian Gottfried Nees von Esenbeck: Politik und Naturwissenschaften in der ersten Hälfte des 19. Jahrhunderts: Leopoldina-Meeting am 20. und 21. Juni 2003 in Halle (Saale).* Acta Historica Leopoldina, 43. (245 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2004. ISBN: 3804721532.
Contents: Gunnar BERG, "Einführung," 17; Michael KAASCH, "Das Bestehende und das Werdende - Akademieerneuerung und Reformansätze unter Nees von Esenbeck," 19-71; Uta MONECKE and Johanna BOHLEY, "Zur Amtlichen Korrespondenz zwischen Christian Gottfried Nees von Esenbeck und Karl Sigmund Freiherr von Altenstein," 73-98; Thomas P. BECKER, "Der Rang der Naturwissenschaften in den ersten Jahren der Universität Bonn," 115-131 [ref. 2068]; Gert SCHUBRING, "Das Bonner naturwissenschaftliche Seminar (1825-1887) - Eine Fallstudie zur Disziplinendifferenzierung," 133-148 [ref. 2082]; Dietrich von ENGELHARDT, "Bildung, Politik und Gesellschaft im Denken der romantischen Naturforscher um 1800," 149-164 [ref. 1987]; Thomas BACH, "Zur Institutionalisierung der Naturphilosophie in Jena," 167-184 [ref. 2094]; Klaus RIES, "Zwischen Wissenschaft, Politik und Öffentlichkeit. Lorenz Okens Naturphilosophie als nationalpolitisches Programm," 185-199 [ref. 2006]; Martin KIRSCHKE, "Karl Wilhelm Gottlob Kastner - Lehre im Konflikt mit dem preußischen Staat," 201-214 [ref. 2005]; Hans Joachim MEYER, "Wem gehört der Punkt des Archimedes? Zum Verhältnis von wissenschaftlicher Freiheit und politischer Verantwortung Öffentlicher Abendvortrag am 20. Juni 2003," 223-235 [ref. 206].
Reviews: [ref. R395]

2005. KIRSCHKE, Martin. "Karl Wilhelm Gottlob Kastner - Lehre im Konflikt mit dem preußischen Staat." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 201–214.

2006. RIES, Klaus. "Zwischen Wissenschaft, Politik und Öffentlichkeit. Lorenz Okens Naturphilosophie als nationalpolitisches Programm." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 185–199.

2007. SALDAÑA, Juan José. "Science and Freedom: Science and Technology as a Policy of the New American States." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 151–162.

2008. WARNER, Deborah Jean. "How Sweet It Is: Sugar, Science, and the State." *Ann. Sci.* 64 (2007): 147–170.
On the attempt by the 19th-century U.S. government to measure the saccharine content of samples of sugar for tax assessment.

2009. WENDLING, Amy E. "On Alienation and Machine Production: Capitalist Embodiment in Karl Marx." *Diss. Abstr. Int. A* 67/08 (2007).
Dissertation at The Pennsylvania State University, 2006. Adviser: Conway, Daniel W. UMI pub. no. 3229345. 294 pp.

360-23. SCIENCE AND LITERATURE; SCIENCE AND ART
(includes drama and performing arts)

2010. ANDERSON, Christopher Todd. "Nothing Lowly: The Anti-Picturesque in American Nature Poetry." *Diss. Abstr. Int. A* 67/06 (2006).
Dissertation at University of Connecticut, 2006. Adviser: Gatta, John. UMI pub. no. 3221526. 306 pp. Surveys development of depictions of unattractive and violent or disordered aspects of nature in 19th and 20th centuries.

2011. BROWNE, Janet. "Constructing Darwinism in Literary Culture." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 55–69.

2012. CALDWELL, Janis McLarren. *Literature and Medicine in Nineteenth-Century Britain: From Mary Shelley to George Eliot.* Cambridge Studies in Nineteenth-Century Literature and Culture. (xi + 201 pp.; bibl.; index.) Cambridge, U.K. / New York: Cambridge University Press, 2005. ISBN: 0521843340.

2013. GILLESPIE, Sarah Catherine. "Samuel F. B. Morse and the Daguerreotype: Art and Science in American Culture, 1835–55." *Diss. Abstr. Int. A* 67/08 (2007).
Dissertation at City University of New York, 2006. Adviser: Manthorne, Katherine. Pub. no. AAT 3232008. 311 pp. Explores Morse's work with John William Draper on the daguerreotype as a transitional period between his life as a painter and his invention of the telegraph.

2014. KALADIOUK, Anna Schur. "On 'Sticking to the Fact' and 'Understanding Nothing': Dostoevsky and the Scientific Method." *Russ. Rev.* 65 (2006): 417–438.

2015. KARL, Alexandra. " 'Naturfreund' or 'Naturfeind'? Darwinism in the Early Drawings of Alfred Kubin." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 117–132.

2016. KERN-STÄHLER, Annette. "Homer on the Evolutionary Scale: Interrelations between Biology and Literature in the Writings of William Gladstone and Grant Allen." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 107–115.

2017. LEJA, Michael. *Looking Askance: Skepticism and American Art from Eakins to Duchamp.* (xiii + 300 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2004. ISBN: 0520238079.
Explores American visual culture around the turn of the 20th century and the relationship between seeing and truth.

2018. LINDHOLDT, Paul J. “West of Winthrop: Landscape and Language in the Washington Territory.” Part of a special issue on “Exploration and Adventure in the 19th-Century American West” [ref. 2316]. *ATQ* 18 (2004): 155–177.

On the environmental philosophy and racial content of Winthrop’s adventure books.

2019. OTIS, Laura. “Cells and Networks in Nineteenth-Century Literature.” In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 135–143.

2020. PEARL, Sharrona. “Building Beauty: Physiognomy on the Gas-Lit Stage.” *Endeavour* 30 (2006): 84–89.

2021. PEREZ, Kimberly E. “Fancy and Imagination: Cultivating Sympathy and Envisioning the Natural World for the Modern Child.” *Diss. Abstr. Int. A* 67/10 (2007).

Dissertation at The University of Oklahoma, 2006. Adviser: Pandora, Katherine. UMI pub. no. 3237839. 365 pp. Explores the works of Liberty Hyde Bailey, Dean of the College of Agriculture at Cornell, and Mabel Osgood Wright, an author of nature field guides and narratives for children.

2022. PHILIPPON, Daniel J. “Thoreau’s Notes on the ‘Journey West’: Nature Writing or Environmental History?” *ATQ* 18 (2004): 105–117.

2023. RUSSELL, Nicholas. “Science and Scientists in Victorian and Edwardian Literary Novels: Insights into the Emergence of a New Profession.” *Public Underst. Sci.* 16 (2007): 205–222.

2024. SLEIGH, Charlotte. “ ‘This Questionable Little Book’: Narrative Ambiguity in Nineteenth Century Literature of Science.” In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 15–26.

Looks at 19th-century literature by Bentham, Shelley, Carlyle, Poe, Kingsley, and Wells.

2025. STILES, Anne. “Cerebral Automatism, the Brain, and the Soul in Bram Stoker’s *Dracula*.” *J. Hist. Neurosci.* 15 (2006): 131–152.

Claims that Stoker’s 1897 novel is indebted to late-Victorian neurologists, particularly David Ferrier, John Burdon-Sanderson, Thomas Huxley, and William Carpenter.

360-26. SCIENCE AND RACE; SCIENCE AND ETHNICITY

(for eugenics, see 135-Human biology and 150-Medicine)

2026. AGUILAR, Filomeno V., Jr. “Tracing Origins: *Ilustrado* Nationalism and the Racial Science of Migration Waves.” *J. Asian Stud.* 64 (2005): 605–637.

“Looks at the ways in which late nineteenth-century Filipino nationalists made use of European racialist ideas to construct a Filipino national identity.” (from the abstract)

2027. WASHINGTON, Sylvia Hood. *Packing Them In: An Archaeology of Environmental Racism in Chicago, 1865–1954.* (x + 215 pp.; bibl.; index.) Lanham: Lexington Books, 2005. ISBN: 0739105728.

Includes a discussion of the rise of scientific racism as well as the racial nature of control over scientific knowledge.

Reviews: [ref. R1419]

360-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

2028. CORRÊA, Mariza. *Antropólogas e antropologia.* Humanitas, 88. (278 pp.; ill.; bibl.) Belo Horizonte: Editora UFMG, 2003. ISBN: 8570412991.

2029. LIGHTMAN, Bernard. “Depicting Nature, Defining Roles: The Gender Politics of Victorian Illustration.” In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 214–239.

2030. RENSING, Susan Marie. “Feminist Eugenics in America: From Free Love to Birth Control, 1880–1930.” *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at University of Notre Dame, 2006. Adviser: Vanden Bossche, Chris and Kathy Psomiades. UMI pub. no. 3221321. 196 pp.

2031. TÖNNIES, Merle. “ ‘Serious’ Science versus ‘Light’ Entertainment? Feminity Concepts in Nineteenth Century British Medical Discourse and Popular Fiction.” In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 183–192.

360-28. SCIENCE AND RELIGION

2032. ARTIGAS, Mariano, Thomas F. GLICK, and Rafael A. MARTÍNEZ. *Negotiating Darwin: The Vatican Confronts Evolution, 1877–1902.* Medicine, Science, and Religion in Historical Context. (vii + 326 pp.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 080188389X.

Drawing on primary sources from the Vatican, this book focuses on six Catholics who sought to integrate evolution with Christianity and the response of the Church.

Reviews: [ref. R35]

2033. GREGORIO, Mario A. di. *From Here to Eternity: Ernst Haeckel and Scientific Faith.* Religion, Theology, and Natural Science, 3. (637 pp.; ill.; bibl.; index.) Göttingen: Vandenhoeck & Ruprecht, 2005. ISBN: 3525569726.

Reviews: [ref. R538]

2034. HEIDE, Janneke van der. “Darwin’s Young Admirers.” *Endeavour* 30 (2006): 103–107.

On the Darwin family reaction to the posthumous publication of Darwin’s agnostic religious views by a young Dutch admirer.

2035. JAMES, Frank A. J. L. “An ‘Open Clash between Science and the Church’?: Wilberforce, Huxley and Hooker on Darwin at the British Association, Oxford, 1860.” In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 171–193.

2036. LYNCH, John M. “ ‘Scriptural Geology’: *Vestiges of the Natural History of Creation* and Contested Authority in Nineteenth-Century British Science.” In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 131–141.

2037. NOAKES, Richard. “Cromwell Varley FRS, Electrical Discharge and Victorian Spiritualism.” *Notes Rec. Roy. Soc. Lond.* 61 (2007): 5–21.

2038. RAIA, Courtenay Grean. “From Ether Theory to Ether Theology: Oliver Lodge and the Physics of Immortality.” *J. Hist. Behav. Sci.* 43 (2007): 18–43.

2039. SYDOW, Momme von. “Charles Darwin: A Christian Undermining Christianity?” In *Science*

and Beliefs, edited by KNIGHT and EDDY (2005) [ref. 16], 141–156.

2040. VERSEN, Christopher R. "Optimistic Liberals: Herbert Spencer, The Brooklyn Ethical Association, and the Integration of Moral Philosophy and Evolution in the Victorian Trans-Atlantic Community." *Diss. Abstr. Int. A* 67/04 (2006).
Dissertation at Florida State University, 2006. Adviser: Jumonville, Neil. UMI pub. no. 3216555. 280 pp.

2041. WAHL, William Henry. "Suffering Truth: Interpretation, Religion, and Science in Nietzsche and Freud." *Diss. Abstr. Int. A* 67/07 (2007): 2617.
Dissertation at University of Toronto (Canada), 2006. UMI pub. no. NR16042. 279 pp. "I argue that a facile adoption of science as a social redeemer of suffering does little to advance our psychological, interpretive, or cultural well-being." (from the abstract)

360-29. SCIENCE AND WAR

2042. BRADY, Lisa M. "The Wilderness of War: Nature and Strategy in the American Civil War." *Environ. Hist.* 10 (2005): 421–447.

2043. COCK, Randolph. "Scientific Servicemen in the Royal Navy and the Professionalisation of Science, 1816–55." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 95–111.

2044. LÜDECKE, Cornelia. *Carl Ritters Lehrtätigkeit an der Allgemeinen Kriegsschule in Berlin (1820–1853).* (97 pp.; ill.) Berlin: Verlag für Wissenschafts- und Regionalgeschichte Engel, 2002. ISBN: 3929134381.
Reviews: [ref. R864]

360-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

2045. BARRERA, Caroline. *Les sociétés savantes de Toulouse au XIX^{e} siècle, 1797-1865.* CTHS histoire. (435 pp.; ill.) Paris: Editions du CTHS, 2003. ISBN: 2735505510.
Reviews: [ref. R61]

2046. BERNSTEIN, Susan David. " 'Supposed Differences': Lydia Becker and Victorian Women's Participation in the BAAS." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 85–93.

2047. BOWMAN BAYLES, Ruth Margaret. "Science in Its Local Context: The Belfast Natural History and Philosophical Society in the Mid-Nineteenth Century." *Diss. Abstr. Int. C* 67/01 (2006): 88.
Dissertation at Queen's University of Belfast (United Kingdom), 2005. UMI pub. no. C822493.

2048. CAIN, Victoria Elizabeth Moffit. "Nature under Glass: Popular Science, Professional Illusion and the Transformation of American Natural History Museums, 1870–1940." *Diss. Abstr. Int. A* 68/01 (2007).
Dissertation at Columbia University, 2007. Advisor: Foner, Eric. Pub. no. AAT 3249066. 418 pp.

2049. EWING, Heather. *The Lost World of James Smithson: Science, Revolution, and the Birth of the Smithsonian.* (x + 432 pp.; ill.; index.) New York: Bloomsbury, 2007. ISBN: 1596910291.

2050. GISPERT, Hélène. " 'Par la science, pour la patrie', l'Association française pour l'avancement des sciences (AFAS), 1872-1914 : Un projet d'histoire des sciences et de leur diffusion." *Rev. Hist. Sci.* 55 (2002): 295–300.

2051. HIGGITT, Rebekah. "Why I Don't FRS My Tail: Augustus De Morgan and the Royal Society." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 253–259.

2052. JACKSON, Catherine M. "Re-examining the Research School: August Wilhelm Hofmann and the Re-creation of a Liebigian Research School in London." *Hist. Sci.* 44 (2006): 281–319.

2053. KNAPP, Sandra, and J. R. PRESS. *The Gilded Canopy: Botanical Ceiling Panels of the Natural History Museum.* (168 pp.; ill.; bibl.; index.) London: Natural History Museum, 2005. ISBN: 9780565091989.
Reviews: [ref. R748]

2054. NESWALD, Elizabeth. "Science, Sociability and the Improvement of Ireland: The Galway Mechanics' Institute, 1826–51." *Brit. J. Hist. Sci.* 39 (2006): 503–534.

2055. STEIF, Yvonne. *Wenn Wissenschaftler feiern: Die Versammlungen deutscher Naturforscher und Ärzte 1822 bis 1913.* Schriftenreihe zur Geschichte der Versammlungen Deutscher Naturforscher und Ärzte, 10. (345 pp.) Stuttgart: Wissenschaftliche Verlagsgesellschaft, 2003. ISBN: 3804720110.
Reviews: [ref. R1311]

360-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

2056. BIGG, Charlotte. "Spectroscopic Metrologies." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 765–777.

2057. BROCK, William H. "The Radiometer and Its Lessons: William Carpenter *versus* William Crookes." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 213–229.

2058. HAYTON, Susan J. "Robert Mann Lowne, 1844–1929." *Trans. Newcomen Soc.* 76 (2006): 23–50.
On the career of this instrument maker, whose many patents cover a wide range of devices.

2059. HENNIG, Jochen. "Bunsen, Kirchhoff, Steinheil and the Elaboration of Analytical Spectroscopy." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 741–754.

2060. HENTSCHEL, Klaus. "Gauss, Meyerstein, and Hanoverian Metrology." *Ann. Sci.* 64 (2007): 41–75.

2061. JOHNSTON, Sean F. "An Unconvincing Transformation? Michelson's Interferential Spectroscopy." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 803–823.

2062. MORRISON-LOW, A. D. *Making Scientific Instruments in the Industrial Revolution.* Science, Technology and Culture, 1700-1945. (xvi + 408 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2007. ISBN: 0754657582.

2063. SCHWENK, Ernst F. “Friedlieb Runge and His Capillary Designs.” *Bull. Hist. Chem.* 30 (2005): 30–34.

2064. SINGH, Rajinder. “Designing, Making and Using Scientific Instruments in India: The Example of Jagadis Chunder Bose.” Part of a special section: “Instrument Case Studies, 1850-1950” [ref. 2875]. *Nuncius* 19 (2004): 713–723.

2065. STALEY, Richard. “The Interferometer and the Spectroscope: Michelson’s Standards and the Spectroscopic Community.” Part of a special section on “Spectroscope Histories” [ref. 244]. *Nuncius* 18 (2003): 779–801.

2066. STOCK, John T. “Gabriel Lippmann and the Capillary Electrometer.” *Bull. Hist. Chem.* 29 (2004): 16–20.

360-42. SCIENCE EDUCATION

(includes history of educational institutions)

2067. ANDUAGA, Aitor. “L’enseignement universitaire de la cosmographie et de la physique du globe en Espagne au cours de la Restauration (1874-1920) : quelques réflexions historiographiques.” *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 111–134.

2068. BECKER, Thomas P. “Der Rang der Naturwissenschaften in den ersten Jahren der Universität Bonn.” In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 115–131.

2069. CHRISTENSSON, Jakob. Essay review. *Lychnos* (2003): 268–273.
Essay review of Petra RANTATALO, *Den resande eleven* (2002).

2070. ELLIOTT, Paul. “ ‘Improvement, Always and Everywhere’: William George Spencer (1790–1866) and Mathematical, Geographical and Scientific Education in Nineteenth-Century England.” *Hist. Educ.* 33 (2004): 391–417.

2071. ELLIOTT, Paul, and Stephen DANIELS. “Pestalozzianism, Natural History and Scientific Education in Nineteenth-Century England: The Pestalozzian Institution at Worksop, Nottinghamshire.” *Hist. Educ.* 34 (2005): 295–313.

2072. FRYE, Ellen. (Ed.) *Knowledge with Know-How: Thayer School of Engineering at Dartmouth.* Foreword by Myron TRIBUS. (220 pp.; ill.; index.) Lebanon, NH: University Press of New England, 2007. ISBN: 1584656506.

2073. GIBBINS, John R. “ ‘Old Studies and New’: The Organisation of Knowledge in University Curriculum.” In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 235–261.

2074. GOUGH, Ruby L. *Robert Edwards Holloway: Newfoundland Educator, Scientist, Photographer, 1874–1904.* (xvii + 274 pp.; ill.; maps; bibl.; index.) Montreal: McGill-Queen’s University Press, 2005. ISBN: 0773528520.
Reviews: [ref. R519]

2075. HOWARD, Thomas A. *Protestant Theology and the Making of the Modern German University.* (xii + 468 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0199266859.
Includes a chapter “Theology, *Wissenschaft*, and the Founding of the University of Berlin.”
Reviews: [ref. R653]

2076. HULIN, Nicole, and Bénédicte BILODEAU. *Les femmes et l’enseignement scientifique.* Sciences, histoire, société. (xi + 227 pp.; bibl.; index.) Paris: Presses universitaires de France, 2002. ISBN: 2130526594.
Reviews: [ref. R666]

2077. HULIN, Nicole. “Histoire des sciences et enseignement scientifique au lycée sous la Troisième République.” Part of special section: “L’enseignement de l’histoire des sciences en France sous la Troisième République” [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 389–405.

2078. KURZ, Christopher A. N. “Mathematics Education for the Deaf in the United States: A Historical Analysis of the Nineteenth Century.” *Diss. Abstr. Int. A* 67/04 (2006): 1252.
Dissertation at The University of Kansas, 2006. Adviser: Hillesheim, James. UMI pub. no. 3216282. 390 pp.

2079. LOCQUENEUX, Robert. “L’intérêt de l’histoire de la physique pour la formation des physiciens selon Henri Bouasse.” Part of special section: “L’enseignement de l’histoire des sciences en France sous la Troisième République” [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 407–431.

2080. MARCUS, Alan I. “If All the World Were Mechanics and Farmers: Democracy and the Formative Years of Land-Grant Colleges in America.” *Ohio Val. Hist.* 5 (2005): 23–36.

2081. NEMEC, Mark R. *Ivory Towers and Nationalist Minds: Universities, Leadership, and the Development of the American State.* (x + 301 pp.; bibl.; index.) Ann Arbor: University of Michigan Press, 2006. ISBN: 0472099124.
Reviews: [ref. R1001]

2082. SCHUBRING, Gert. “Das Bonner naturwissenschaftliche Seminar (1825-1887) - Eine Fallstudie zur Disziplinendifferenzierung.” In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 133–148.

2083. SZÖGI, László. *Magyarországi diákok németországi egyetemeken és foiskolákon, 1789–1919.* Translated title: [Ungarländische studenten an den Deutschen universitäten und hochschulen]. In Hungarian. Magyarországi diákok egyetemjárása az újkorban, 5. (861 pp.; ill.; bibl.; index.) Budapest: Eötvös Loránd Tudományegyetem Levéltára, 2001. ISBN: 9634635148.
Reviews: [ref. R1339]

360-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

2084. BOHLEY, Johanna. (Ed.) *Christian Gottfried Nees von Esenbeck: Ausgewählter Briefwechsel mit Schriftstellern und Verlegern (Johann Friedrich von Cotta, Johann Georg von Cotta, Therese Huber, Ernst Otto Lindner, Friederike Kempner).* Acta Historica Leopoldina, 41. (424 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720021.
Reviews: [ref. R116]

2085. COEN, Deborah R. "A Lens of Many Facets: Science through a Family's Eyes." *Isis* 97 (2006): 395–419.

"The focus here is on their collaborative research on color theory at the turn of the twentieth century." (from the abstract)

2086. KANZ, Kai Torsten. (Ed.) *Christian Gottfried Nees von Esenbeck: Briefwechsel mit Johann Wolfgang von Goethe nebst ergänzenden Schreiben.* Acta Historica Leopoldina, 40. (470 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720013.

Reviews: [ref. R710]

2087. OPITZ, Donald L. " 'This House Is a Temple of Research': Country-House Centers for Late Victorian Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 143–153.

Lord Rayleigh's residential research center is contrasted with the professionalization of science in dedicated labs.

2088. PICKSTONE, John. "Science in Nineteenth-Century England: Plural Configurations and Singular Politics." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 29–60.

"This essay covers...the diversity of conceptual structures, the relations of various sciences with state and professional institutions, and the meanings of science as a claimed unity." (p. 31)

360-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

2089. BUTLER, Alison. "Anna Kingsford: Scientist and Sorceress." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 59–69.

2090. FANDRICH, Ina J. "The Birth of New Orleans' Voodoo Queen: A Long-Held Mystery Resolved." *Louisiana Hist.* 46 (2005): 293–310.

2091. LONG, Carolyn Morrow. "Marie Laveau: A Nineteenth-Century Voudou Priestess." *Louisiana Hist.* 46 (2005): 263–292.

2092. RAIA, Courtenay Grean. "The Substance of Things Hoped For: Faith, Science and Psychical Research in the Victorian Fin de Siècle." *Diss. Abstr. Int. A* 67/05 (2006): 1877.

Dissertation at University of California, Los Angeles, 2005. Adviser: Porter, Theodore. UMI pub. no. 3218629. 449 pp.

2093. WADGE, Elisabeth. "A Fair Trial for Spiritualism? Fighting Dirty in the *Pall Mall Gazette*." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 95–106.

On a confrontation between Daniel Home and John Tyndall.

360-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

2094. BACH, Thomas. "Zur Institutionalisierung der Naturphilosophie in Jena." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 167–184.

2095. BITBOL, Michel, and Jean GAYON. (Eds.) *L'épistémologie française, 1830–1970.* Science, histoire et société. (vii + 501 pp.; bibl.; index.) Paris: Presses universitaires de France, 2006. ISBN: 2130501125.

2096. FERRIANI, Maurizio. "Peirce e i diagrammi di Eulero-Venn." *Dianoia* 7 (2002): 205–232.

2097. FRIEDMAN, Michael, and Alfred NORDMANN. (Eds.) *The Kantian Legacy in Nineteenth Century Science.* Dibner Institute for the History of Science and Technology. (vi + 370 pp.; bibl.; index.) Cambridge, Mass.: MIT Press, 2006. ISBN: 0262062542.

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360-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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Contents: Geneva M. GANO, "At the Frontier of Precision and Persuasion: The Convergence of Natural Philosophy and National Philosophy in John C. Frémont's *1842, 1843–44 Report and Map*," 131–154 [ref. 2321]; Paul J. LINDHOLDT, "West of Winthrop: Landscape and Language in the Washington Territory," 155–177 [ref. 2018]; Ann E. LUNDBERG, "'The Ruin of a Bygone Geological Empire': Clarence King and the Place of the Primitive in the Evolution of American Identity," 179–203 [ref. 2294]; Katherine E. LEDFORD, "'Singularly placed in scenes so cultivated': The Frontier, the Myth of Westward Progress, and a Backwoods in the Mountain South," 205–222 [ref. 2327].

2317. BROGIATO, Hans Peter. *"Wissen ist Macht, Geographisches Wissen ist Weltmacht": Die schulgeographischen Zeitschriften im deutschsprachigen Raum (1880–1945) unter besonderer Berücksichtigung des Geographischen Anzeigers.* Originally the author's Ph.D. dissertation at Trier University, 1996. Materialen zur Didaktik der Geographie, 18. (xiv + 656 pp.; ill.; maps.) Trier: Geographische Gesellschaft, 1998. ISBN: 3927079987.

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particular on writing, collecting and sketching." (from the abstract)

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2321. GANO, Geneva M. "At the Frontier of Precision and Persuasion: The Convergence of Natural Philosophy and National Philosophy in John C. Frémont's *1842, 1843–44 Report and Map*." Part of a special issue on "Exploration and Adventure in the 19th-Century American West" [ref. 2316]. *ATQ* 18 (2004): 131–154.

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2323. HYSLOP, Stephen G. "One Nation among Many: The Origins and Objectives of Pike's Southwest Expedition." *Kansas Hist.* 29 (2006): 2–13.
See also: Leo E. OLIVA, " 'Sent Out by Our Great Father': Zebulon Montgomery Pike's Journal and Route across Kansas, 1806," 14–33; Leo E. OLIVA, "Enemies and Friends: Zebulon Montgomery Pike and Facundo Melgares in the Competition for the Great Plains, 1806-1807," 35–47; Michael L. OLSON, "Zebulon Pike and American Popular Culture—or—Has Pike Peaked?" 48–59.

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Reviews: [ref. R800]

2327. LEDFORD, Katherine E. " 'Singularly placed in scenes so cultivated': The Frontier, the Myth of Westward Progress, and a Backwoods in the Mountain South." Part of a special issue on "Exploration and Adventure in the 19th-Century American West" [ref. 2316]. *ATQ* 18 (2004): 205–222.

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2330. MICHAEL, Bernardo A. "Making Territory Visible: The Revenue Surveys of Colonial South Asia." *Imago Mundi* 59 (2007): 78–95.

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Essay review of Michael F. ROBINSON, *The Coldest Crucible* (2006) [ref. 2332].

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Reviews: [ref. 2331, R1151]

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On the 19th-century American frontier soldier and explorer.

2334. STADELBAUER, Jörg. "Kategorien des Räumlichen: Alexander von Humboldts Rußlandreise." *Osteuropa* 55 (2005): 70–79.

2335. WIGEN, Kären. "Discovering the Japanese Alps: Meiji Mountaineering and the Quest for Geographical Enlightenment." *J. Japan. Stud.* 31 (2005): 1–26.

360-122. NATURAL HISTORY

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2346. PEARSON, Michael B. *Richard Spruce: Naturalist and Explorer.* (100 pp.; ill.; bibl.; index.) Settle: Hudson History of Settle, 2004. ISBN: 1903783283.
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Reviews: [ref. R1065]

2347. RAFINESQUE, C. S. *A C. S. Rafinesque Anthology.* edited by Charles BOEWE. (ix + 271 pp.; ill.; bibl.; index.) Jefferson, N.C.: McFarland, 2005. ISBN: 0786421479.
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2349. ROJAS CLEMENTE Y RUBIO, Simón de. *Viaje a Andalucía: "Historia natural del Reino de Granada" (1804-1809).* edited by Antonio GIL ALBARRACÍN, Horacio CAPEL SÁEZ, and Pilar SAN PÍO ALADRÉN. (1247 pp.; ill.; bibl.; index.) Barcelona: Griselda Bonet Girabet, 2002. ISBN: 8488538170.
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2350. WHITTLESEY, Lee H. *Storytelling in Yellowstone: Horse and Buggy Tour Guides.* (xiv + 377 pp.; ill.; maps; bibl.; index.) Albuquerque: University of New Mexico Press, 2007. ISBN: 9780826341174.

360-123. ECOLOGY; ENVIRONMENTAL SCIENCES *(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)*

2351. ACKERT, Lloyd T., Jr. "The 'Cycle of Life' in Ecology: Sergei Vinogradskii's Soil Microbiology, 1885–1940." *J. Hist. Biol.* 40 (2007): 109–145.
Discusses interplay between Russian and Western European scientific networks and intellectual traditions; shows ties to agricultural experiment stations and microbiological institutes in Europe and America.

2352. DIJKHUIZEN, Sietzo. *Jac. P. Thijsse. Een biografie: Natuurbeschermer, flaneur en auteur van Verkade-albums.* (299 pp.; ill.; index; bibl.) Amsterdam: De Arbeiderspers, 2005. ISBN: 9029514183.
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2353. DRUSHKA, Ken. *Canada's Forests: A History of Use and Conservation.* Forest History Society Issues Series. (viii + 97 pp.; bibl.; index.) Montreal; Ithaca: McGill-Queen's University Press, 2003. ISBN: 0773526609.
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2354. FROST, Mark Andrew. " 'The law of help': John Ruskin's Ecological Vision, 1843–1886." *Diss. Abstr. Int. C* 67/03 (2006): 840.
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2356. MACDONALD, Eric A. "The Art which Mends Nature: The Discourse of American Environmental Design in 'Garden and Forest', 1888–1897." *Diss. Abstr. Int. A* 67/12 (2007).
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2359. PLATT, Harold L. *Shock Cities: The Environmental Transformation and Reform of Manchester and Chicago.* (xvi + 628 pp.; ill.; bibl.; index.) Chicago: The University of Chicago Press, 2005. ISBN: 0226670767.

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360-124. PALEONTOLOGY

2361. ALLMON, Warren D. "The Pre-modern History of the Post-Modern Dinosaur: Phases and Causes in Post-Darwinian Dinosaur Art." *Earth Sci. Hist.* 25 (2006): 5–35.

2362. AUSICH, William I. Essay review. *Earth Sci. Hist.* 25 (2006): 155–158.
Essay review of David CAFFEY, *Frank Springer and New Mexico* (2006) [ref. 2364].

2363. BRINKMAN, Paul. "Bully for *Apatosaurus*." *Endeavour* 30 (2006): 126–130.
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2364. CAFFEY, David. *Frank Springer and New Mexico: From the Colfax County War to the Emergence of Modern Santa Fe.* (viii + 261 pp.; bibl.;

index.) College Station: Texas A&M University, 2006. ISBN: 1585444642.

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Reviews: [ref. 2362, R196]

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360-130. BIOLOGICAL SCIENCES, GENERAL WORKS

2369. ALLEN, Garland E. "Mechanism, Vitalism and Organicism in Late Nineteenth- and Twentieth-Century Biology: The Importance of Historical Context." Part of a special issue: "Mechanisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 261–283.

2370. BARAHONA ECHEVERRÍA, Ana, and Ismael LEDESMA-MATEOS. "El positivismo y los orígenes de la biología en México: El entrelazado de los desarrollos filosófico y científico en un contexto histórico particular." *Arch. Int. Hist. Sci.* 52 (2002): 277–305.

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2372. BLACKMAN, Helen J. "The Natural Sciences and the Development of Animal Morphology in Late-Victorian Cambridge." *J. Hist. Biol.* 40 (2007): 71–108.

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2374. BURIAN, Richard M., and Denis THIEFFRY. "Introduction to the Special Issue 'From Embryology to Developmental Biology.'" Introduction to a special issue: "From Embryology to Developmental Biology." *Hist. Phil. Life Sci.* 22 (2000): 313–323.

Contents: Scott F. GILBERT et al., "Selected Bibliography on History of Embryology and Development," 325–333 [ref. 425]; Ron AMUNDSON, "Embryology and Evolution, 1920-1960: Worlds Apart?" 335–352 [ref. 3175]; Bernardino FANTINI, "L'embryologie, la 'géographie chimique' de la cellule et la synthèse entre morphologie et chimie (1930-1950)," 353–380 [ref. 3153]; Soraya de CHADAREVIAN, "Mapping Development, or How Molecular is Molecular Biology?" 381–396 [ref. 3673]; Michel MORANGE, "François Jacob's Lab in the Seventies: The *T*-Complex and the Mouse Developmental Genetic Program," 397–411 [ref. 3685].

2375. ELLIOTT, Nathan Robert. "Evolving Science Fictions: Biological Representation in Nineteenth-Century Britain." *Diss. Abstr. Int. A* 67/06 (2006).

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2376. ELWICK, James. "Styles of Reasoning in Early to Mid-Victorian Life Research: Analysis:Synthesis and Palaetiology." *J. Hist. Biol.* 40 (2007): 35–69.

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2379. JAHN, Ilse, and Isolde SCHMIDT. *Matthias Jacob Schleiden (1804–1881): Sein Leben in Selbstzeugnissen.* Acta historica Leopoldina, 44. (327 pp.; ill.; bibl.; index.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2005. ISBN: 380472258X.

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2381. KANZ, Kai Torsten. " '... die Biologie als die Krone oder der höchste Strebepunkt aller Wissenschaften': Zur Rezeption des Biologiebegriffs in der romantischen Naturforschung (Lorenz Oken, Ernst Bartels, Carl Gustav Carus)." *NTM* 14 (2006): 77–92.

2382. KLEMM, Margot. *Ferdinand Julius Cohn 1828–1898: Pflanzenphysiologe, Mikrobiologe, Begründer der Bakteriologie.* (340 pp.; ill.) Frankfurt am Main: Lang, 2003. ISBN: 3631516436.

Reviews: [ref. R743]

2383. LINGUERRI, Sandra. *Vito Volterra e il Comitato talassografico italiano: imprese per aria e per mare nell'Italia unita, 1883-1930.* Biblioteca di Nuncius. (xii + 272 pp.; bibl.; index.) Firenze: L. S. Olschki, 2005. ISBN: 8822254155.

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Reviews: [ref. R840]

2384. NORMANDIN, Sebastien. "Visions of Vitalism: Medicine, Philosophy and the Soul in Nineteenth Century France." *Diss. Abstr. Int. A* 68/03 (2007).

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2385. PERRU, Olivier. "Aux origines des recherches sur la symbiose, vers 1868-1883." *Rev. Hist. Sci.* 59 (2006): 5–27.

2386. REYNOLDS, Andrew. "The Theory of the Cell State and the Question of Cell Autonomy in Nineteenth- and Early Twentieth-Century Biology." *Sci. Context* 20 (2007): 71–95.

2387. WINSOR, Mary P. "Non-Essentialist Methods in Pre-Darwinian Taxonomy." *Biol. Phil.* 18 (2003): 387–400.

2388. YAMASHITA, Grant Joo. "On the Germ-Soma Distinction in Evolutionary Biology: A Historical and Conceptual Approach." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, Davis, 2006. Adviser: Griesemer, James R. Pub. no. AAT 3250876. 166 pp. From the 19th century work of Weismann and de Vries to 20th century concepts of germ-cell and germ-plasm.

2389. ZWIERLEIN, Anne-Julia. (Ed.) *Unmapped Countries: Biological Visions in Nineteenth Century Literature and Culture.* Anthem Nineteenth Century Studies. (xv + 282 pp.; ill.; bibl.; index.) London: Anthem Press, 2005. ISBN: 1843311593.

Contents: Anne-Julia ZWIERLEIN, "Unmapped Countries: Biology, Literature and Culture in the Nineteenth Century," 1-12; Charlotte SLEIGH, " 'This Questionable Little Book': Narrative Ambiguity in Nineteenth Century Literature of Science," 15-26 [ref. 2024]; Klaus STIERSTORFER, "Vestiges of English Literature: Robert Chambers," 27-39 [ref. 2444]; Gowan DAWSON, "Aestheticism, Immortality and the Reception of Darwinism in Victorian Britain," 43-54 [ref. 2428]; Janet BROWNE, "Constructing Darwinism in Literary Culture," 55-69 [ref. 2011]; Griet VANDERMASSEN, Marysa DEMOOR and Johan BRAECKMAN, "Close Encounters with a New Species: Darwin's Clash with the Feminists at the End of the Nineteenth Century," 71-81 [ref. 2445]; Carol PEAKER, "Mutual Aid, A Factor of Peter Kropotkin's Literary Criticism," 83-93 [ref. 2439]; Paul GOETSCH, "The Savage Within: Evolutionary Theory, Anthropology and the Unconscious in *Fin-de-Siècle* Literature," 95-106 [ref. 2466]; Annette KERN-STÄHLER, "Homer on the Evolutionary Scale: Interrelations between Biology and Literature in the Writings of William Gladstone and Grant Allen," 107-115 [ref. 2016]; Alexandra KARL, " 'Naturfreund' or 'Naturfeind'? Darwinism in the Early Drawings of Alfred Kubin," 117-132 [ref. 2015]; Laura OTIS, "Cells and Networks in Nineteenth-Century Literature," 135-143 [ref. 2019]; Kirstie BLAIR, "Contagious Sympathies: George Eliot and Rudolf Virchow," 145-154 [ref. 2523]; Anne-Julia ZWIERLEIN, "From Parasitology to Parapsychology: Parasites in Nineteenth-Century Science and Literature," 155-172 [ref. 2627]; Jürgen MEYER, "Surgical Engineering in the Nineteenth Century: *Frankenstein*, *The Island of Dr. Moreau*, *Flatland*," 173-182 [ref. 2580]; Merle TÖNNIES, " 'Serious' Science versus 'Light' Entertainment? Feminity Concepts in Nineteenth Century British Medical Discourse and Popular Fiction," 183-192 [ref. 2031]; Sally SHUTTLEWORTH, "Night Terrors: Medical and Literary Representations of Childhood Fear," 193-205 [ref. 2648]; Kate FLINT, "Sensuous Knowledge," 207-215.

360-131. BOTANY

(includes plant sciences)

2390. AYRES, P. G. *Harry Marshall Ward and the Fungal Thread of Death.* (vii + 168 pp.; ill.; bibl.) St. Paul, Minn.: APS Press, 2005. ISBN: 089054333X.

Reviews: [ref. R45]

2391. BIGELOW, Jacob. *American Medical Botany: Being a Collection of the Native Medicinal Plants of the United States, Containing Their Botanical History and Chemical Analysis, and Properties and Uses in Medicine, Diet and the Art.* Commentary by Philip WEIMERSKIRCH. (CD-ROM.) Oakland, CA: Octavo, 2004. ISBN: 189178823X.

Digitized facsimile of the 3-volume original edition published in 1817–1820 by Cummings and Hilliard, Boston.

Reviews: [ref. R106]

2392. DICKINSON, Emily. *Emily Dickinson's Herbarium.* A facsimile edition. Introduction by Richard B. SEWALL, foreword by Leslie A. MORRIS, preface by Judith FARR, appendix by Ray ANGELO. (207 pp.; ill.; bibl.; index.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2006. ISBN: 9780674023024.

Facsimile of a dried plant album assembled by the young Emily Dickinson.

2393. FREIJSEN, Nol. "Pioniers zonder opvolgers. De moeizame ontwikkeling van de Nederlandse plantenecologie." *Gewina* 25 (2002): 87–98.

Focuses on publications in plant ecology from 1870-1954 in both Dutch and Dutch colonial contexts.

2394. GEORGE, A. S. "Short Note: Another Example of Illustrating an Unillustrated Work: Bentham's *Flora australiensis*." *Arch. Natur. Hist.* 33 (2006): 351–353.

2395. HARLAN, Volker. *Das Bild der Pflanze in Wissenschaft und Kunst: Bei Aristoteles und Goethe; der botanischen Morphologie des 19. und 20. Jahrhunderts; und bei den Künstlern Paul Klee und Joseph Beuys.* (236 pp.; ill.; bibl.) Stuttgart; Berlin: Johannes M. Mayer, 2002. ISBN: 3932386590.

Reviews: [ref. R579]

2396. HOPPE, Brigitte. "Das naturwissenschaftliche Werk von C. G. D. Nees von Esenbeck als Beitrag zur Entwicklung der Botanik, insbesondere der Systematik." *Acta Historica Leopoldina* 47 (2006): 21–54.

2397. HÖXTERMANN, Ekkehard. “Frühe Pläne für ein ‘botanisch-physiologisches Institut’ 1864 in Berlin zur ‘Beförderung des Dr. Pringsheim’ und das Physiologieverständnis der Botaniker.” In *Fokus Biologiegeschichte*, edited by SCHULZ (2002) [ref. 450], 13–38.

2398. KING, Amy M. *Bloom: The Botanical Vernacular in the English Novel.* (x + 265 pp.; ill.; bibl.; index.) New York: Oxford University Press, 2003. ISBN: 0195161513.

Discusses how the Linnaean system influenced English literature.

2399. KING, Daniel Q. “A Checklist of Sources of the Botanical Illustrations in the Leo Grindon Herbarium, The Manchester Museum.” *Arch. Natur. Hist.* 34 (2007): 129–139.

2400. LEIMKUGEL, Frank. *Botanischer Zionismus: Otto Warburg (1859–1938) und die Anfänge institutionalisierter Naturwissenschaften in “Erez Israel.”* (351 pp.; ill.; bibl.; index.) Berlin: Botanischer Garten und Botanisches Museum Berlin-Dahlem, 2005. ISBN: 3921800544.

Reviews: [ref. R812]

2401. MUELLER, Ferdinand von. *Regardfully Yours: Selected Correspondence of Ferdinand von Mueller.* edited by R. W. HOME, A. M. LUCAS, Sara MAROSKE, Doris M. SINKORA, Johannes H. VOIGT, and M. WELLS. Vol III: *1876–1896*. Life and Letters of Ferdinand von Mueller. (909 pp.; ill.; bibl.; index.) New York; Oxford: Peter Lang, 2006. ISBN: 0820475599.

Reviews: [ref. R987]

2402. MUSSELMAN, Lytton John. “The Botanical Activities of George Edward Post (1838-1909).” *Arch. Natur. Hist.* 33 (2006): 282–301.

“His long-term relationship with the herbarium at Geneva is highlighted.” (from the abstract)

2403. ROBIN, Nicolas. “Éléments pour une histoire culturelle de la botanique moderne : Les sociétés d’échanges de plantes en Europe de l’Est au dix-neuvième siècle.” *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 49–71.

2404. ROBIN, Nicolas. “Studies on the Charateristics of Seeds and the Metamorphosis of Plants: The Reception of L.-Cl. Richard’s Textbooks in Weimar-Jena.” Part of special section: “International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries” [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 199–213.

Argues for a strong French influence on German botany.

2405. SANDERSON, Rachel. “Many Beautiful Things: Colonial Botanists’ Accounts of the North Queensland Rainforests.” *Hist. Rec. Aust. Sci.* 18 (2007): 1–18.

On the period between 1860 and 1915.

2406. STEIGERWALD, Joan. “Figuring Nature/Figuring the (Fe)male: The Frontispiece to Humboldt’s *Ideas Towards a Geography of Plants*.” In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 54–82.

360-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

2407. BERKOWITZ, Carin. “Disputed Discovery: Vivisection and Experiment in the 19th Century.” *Endeavour* 30 (2006): 98–102.

On the priority debate between Charles Bell and François Magendie on the discovery of nerve roots.

2408. CASTONGUAY, Stéphane. “Naturalizing Federalism: Insect Outbreaks and the Centralization of Entomological Research in Canada, 1884–1914.” *Can. Hist. Rev.* 85 (2004): 1–34.

2409. DANCE, S. Peter. “Savouring *The Edible Mollusks* of M. S. Lovell.” *Arch. Natur. Hist.* 34 (2007): 192–198.

On the authorship of *The edible mollusks of Great Britain and Ireland* (1867 and 1884).

2410. DESMOND, Adrian, and Sarah E. PARKER. “The Bibliography of Robert Edmond Grant (1793-1874): Illustrated with a Previously Unpublished Photograph.” *Arch. Natur. Hist.* 33 (2006): 202–213.

2411. GASS, Gillian Linda. “Managing Marine Life: Scientific and Practical Work at Two British Marine Stations, 1884–1902.” *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of Toronto (Canada), 2006. Pub. no. AAT NR21897. 353 pp. Focus on the relationship between the scientific community and the fishing industry, esp. as concerning fears of overfishing.

2412. HERREN, Madeleine. “Vom Wesen der langzüngigen Schlürfmäuse: Das Schnabeltier und die Entwicklung der Informationsgesellschaft.” *Ber. Wissenschaftsgesch.* 25 (2002): 265–282.

On encyclopaedia articles of the 19th and 20th century dealing with the taxonomy of the platypus.

2413. JOHNSON, Kristin. “Type-Specimens of Birds as Sources for the History of Ornithology.” *J. Hist. Collect.* 17 (2005): 173–188.

2414. NAYLOR, Simon. “Writing the Region: Jonathan Couch and the Cornish Fauna.” *Interdiscipl. Sci. Rev.* 30 (2005): 33–45.

On Couch’s three volume study (published 1838–44).

2415. OLSÉN, Jan Eric. “Liksom ett par nya ogon: Frithiof Holmgren och synsinnets problematik.” Translated title: [Like a new pair of eyes: Frithiof Holmgren and the problems of the sense of sight]. In Swedish. *Diss. Abstr. Int. C* 66/02 (2005): 292.

Dissertation at Lunds Universitet (Sweden), 2005. UMI pub. no. C820149. 258 pp.

2416. OTIS, Laura. *Müller’s Lab.* (xix + 316 pp.; ill.; maps; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 019530697X.

By exploring the lives of German physiologist Johannes Müller and his students, the book “explores the ways in which personal life can affect scientists’ professional choices, and consequently affect the great discoveries they make.” (from the publisher)

2417. PAULY, Daniel. *Darwin’s Fishes: An Encyclopedia of Ichthyology, Ecology, and Evolution.* (xxv + 340 pp.; ill.; bibl.; index.) New York: Cambridge University Press, 2004. ISBN: 0521827779.

"An encyclopedia of ichthyology, ecology, and evolution, based upon everything that Charles Darwin ever wrote about fish." (from the publisher)

Reviews: [ref. R1063]

2418. PERRU, Olivier. "Zoonites et unité organique : les origines d'une lecture spécifique du vivant chez Alfred Moquin-Tandon (1804-1863) et Antoine Dugès (1797-1838)." *Hist. Phil. Life Sci.* 22 (2000): 249–272.

2419. SALMON, Michael A., Peter J. EDWARDS, and A. S. HARMER. (Eds.) *The Aurelian's Fireside Companion: An Entomological Anthology.* (xxvii + 428 pp.; ill.; bibl.; index.) Lymington, Hampshire, England: Paphia Publisher, 2005. ISBN: 0953723615.

Miscellaney of over 200 years of articles, letters, notes and observations on butterflies and moths by "brethren of the net."

Reviews: [ref. R1191]

2420. SLEIGH, Charlotte. *Six Legs Better: A Cultural History of Myrmecology.* Animals, History, Culture. (vii + 302 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 0801884454.

On metaphors in science and the representations of ants within the field of entomology from the late 19th to the mid-20th centuries.

2421. SMITH, Jonathan. "Picturing Sexual Selection: Gender and the Evolution of Ornithological Illustration in Charles Darwin's *Descent of Man*." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 85–109.

2422. WINN, Wendy Lee. "Visualizing Science: A Semiotic Analysis of Visual Representations in Ornithology Journals, 1859–2003." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of Minnesota, 2006. Adviser: Gross, Alan G. UMI pub. no. 3230273. 223 pp.

360-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

2423. ALTER, Stephen G. "The Advantages of Obscurity: Charles Darwin's Negative Inference from the Histories of Domestic Breeds." *Ann. Sci.* 64 (2007): 235–250.

2424. ARIEW, André. "Under the Influence of Malthus's Law of Population Growth: Darwin Eschews the Statistical Techniques of Aldolphe Quetelet." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 1–19.

2425. BREDEKAMP, Horst. *Darwins Korallen: die frühen Evolutionsdiagramme und die Tradition der Naturgeschichte.* Kleine kulturwissenschaftliche Bibliothek, 73. (111 pp.; ill.; bibl.; index.) Berlin: Wagenbach, 2005. ISBN: 3803151732.

Reviews: [ref. R149]

2426. CARTRON, Laure. "Degeneration and 'Alienism' in Early Nineteenth-Century France." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 155–174.

2427. DARWIN, Charles. *The Descent of Man.* With an introduction by James MOORE and Adrian DESMOND. Penguin Classics. (lxvi + 791 pp.; ill.; bibl.; index.) London: Penguin, 2004. ISBN: 0140436316.

Includes a 60-page introduction.

Reviews: [ref. 2442]

2428. DAWSON, Gowan. "Aestheticism, Immortality and the Reception of Darwinism in Victorian Britain." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 43–54.

Looks at human sexuality and the *Descent of Man.*

2429. DE BONT, Raf. "A Serpent without Teeth: The Conservative Transformism of Jean-Baptiste d'Omalius d'Halloy (1783–1875)." *Centaurus* 49 (2007): 114–137.

On the transformist views of the Belgian Jean-Baptiste d'Omalius d'Halloy, "not only a geologist of European reputation but also a noted conservative and Catholic aristocrat." (from the abstract)

2430. ELDREDGE, Niles. *Darwin: Discovering the Tree of Life.* (xiv + 256 pp.; ill.; bibl.) New York: W.W. Norton, 2005. ISBN: 0393059669.

Reviews: [ref. R388]

2431. FORSDYKE, Donald R. "Heredity as Transmission of Information: Butlerian 'Intelligent Design.'" *Centaurus* 48 (2006): 133–148.

2432. GLIBOFF, Sander. "Paley's Design Argument as an Inference to the Best Explanation, or, Dawkins' Dilemma." *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 579–597.

2433. GRIMOULT, Cédric. "Créationnisme continuiste et transformisme limité : les naturalistes français face à l'évolution biologique au XIX*e* siècle." *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 73–96.

2434. HEIDE, Janneke van der. "Haeckel in Holland. Nederlandse correspondentie aan een Duits darwinist en monist." *Gewina* 25 (2002): 99–112.

2435. MOORE, Keith. "An Unpublished Letter by Charles Darwin in the Royal Society's Archives." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 193–197.

2436. OLSSON, Lennart. "Alternatives to Darwinism in Sweden: Lamarckism and Idealistic Morphology, Disbelief in Mutations and the Poverty of Selection." *Jahrb. Eur. Wissenschaftskult.* 1 (2005): 47–60.

2437. OREL, Vitězslav, and Gerhard CZIHAK. "Initial Theoretical Framework and Problem Solving Concerning the Enigma of Heredity." Part of a special issue in honor of the late Mirko D. Grmek [ref. 91]. *Hist. Phil. Life Sci.* 23 (2001): 125–136.

Focuses on Mendel's work in Brno in the mid-19th century.

2438. PARNES, Ohad. "On the Shoulders of Generations: The New Epistemology of Heredity in the Nineteenth Century." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 315–348.

2439. PEAKER, Carol. "Mutual Aid, A Factor of Peter Kropotkin's Literary Criticism." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 83–93.

2440. RHEINBERGER, Hans-Jörg. "Carl Correns' Experimente mit *Pisum*, 1896-1899." *Hist. Phil. Life Sci.* 22 (2000): 187–218.

2441. RUSE, Michael. "Darwinism and Mechanism: Metaphor in Science." Part of a special issue: "Mech-

anisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 285–302.

2442. RUSE, Michael. "The Divided Mind of Charles Darwin." *Metascience* 14 (2005): 171–177.
Essay review of Charles DARWIN, *The Descent of Man* (2004) [ref. 2427]; Charles DARWIN, *On the Origin of Species by Means of Natural Selection* edited by Joseph CARROLL. (2003).

2443. SLOAN, Phillip R. "Two New Volumes of Darwin's Work." *J. Hist. Biol.* 40 (2007): 363–367.
Essay review of Charles DARWIN, *Darwin* edited by James D. WATSON. (2005); Charles DARWIN, *From So Simple a Beginning* edited by Edward O. WILSON. (2006).

2444. STIERSTORFER, Klaus. "Vestiges of English Literature: Robert Chambers." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 27–39.

2445. VANDERMASSEN, Griet, Marysa DEMOOR, and Johan BRAECKMAN. "Close Encounters with a New Species: Darwin's Clash with the Feminists at the End of the Nineteenth Century." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 71–81.

2446. WILNER, Eduardo. "Darwin's Artificial Selection as an Experiment." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 26–40.

2447. WOOD, Roger J., and Vítězslav OREL. "Scientific Breeding in Central Europe during the Early Nineteenth Century: Background to Mendel's Later Work." *J. Hist. Biol.* 38 (2005): 239–272.

360-134. MICROBIOLOGY; MOLECULAR BIOLOGY

(includes genetic engineering; for agricultural biotechnology, see 163-Agriculture)

2448. CADEDDU, Antonio. "The Heurisitc Function of 'Error' in the Scientific Methodology of Louis Pasteur: The Case of the Silkworm Diseases." First paper in a special issue: Selected Papers from a Conference Held at the Dibner Institute: "Pasteur, Germs and the Bacterial Laboratory," 22-23 November 1996. *Hist. Phil. Life Sci.* 22 (2000): 3–28.
See related papers: Arthur M. SILVERSTEIN, "Pasteur, Pastorians, and the Dawn of Immunology: The Importance of Specificity," 29–41 [ref. 2610]; Thomas SCHLICH, "Linking Cause and Disease in the Laboratory: Robert Koch's Method of Superimposing Visual and 'Functional' Representations of Bacteria," 43–58 [ref. 2601]; Christoph GRADMANN, "Money and Microbes: Robert Koch, Tuberculin and the Foundation of the Institute for Infectious Diseases in Berlin in 1891," 59–79 [ref. 2549]; Patricia Peck GOSSEL, "Pasteur, Koch, and American Bacteriology," 81–100 [ref. 2451].

2449. DUCHESNEAU, François. "The Delayed Linkage of Heredity with the Cell Theory." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 293–314.

2450. GHESQUIER, Danièle. "La centrifugation et la cellule : la déconstruction du protoplasme entre 1880 et 1910." *Rev. Hist. Sci.* 55 (2002): 323–377.

2451. GOSSEL, Patricia Peck. "Pasteur, Koch, and American Bacteriology." Part of a special issue: "Pasteur, Germs and the Bacterial Laboratory" [ref. 2448]. *Hist. Phil. Life Sci.* 22 (2000): 81–100.

2452. SCHLOEGEL, Judith Johns. "Intimate Biology: Herbert Spencer Jennings, Tracy Sonneborn, and the Career of American Protozoan Genetics." *Diss. Abstr. Int. A* 67/06 (2006).
Dissertation at Indiana University, 2006. Adviser: Gliboff, Sander. UMI pub. no. 3223050. 299 pp.

360-136. NEUROSCIENCE

(see also 151-Psychiatry)

2453. HAKOSALO, Heini. "The Brain under the Knife: Serial Sectioning and the Development of Late Nineteenth-Century Neuroanatomy." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 172–202.

2454. HAY, Rankin K. *Neurosurgery and Neurological Science in Manitoba, 1884–1984.* (vi + 239 pp.; ill.; bibl.) Winnipeg, Man.: R.K. Hay, 2003. ISBN: 0973435402.
Reviews: [ref. R592]

2455. MONOD-BROCA, Philippe. *Paul Broca, un géant du XIXe siècle.* Hommes de science. (x + 309 pp.; ill.; bibl.) Paris: Vuibert, 2005. ISBN: 2711791386.

2456. PIAZZA, Marco. "Maine de Biran e Gall. Una tappa emblematica nella ricezione francese della frenologia." *Jahrb. Eur. Wissenschaftskult.* 1 (2005): 17–46.

2457. SOURKES, Theodore L. "On the Energy Cost of Mental Effort." *J. Hist. Neurosci.* 15 (2006): 31–47.
On efforts by brain scientists to understand and measure the metabolic and electrical energy required for thought.

2458. STILES, Anne Meredith. "Neurological Fictions: Brain Science and Literary History, 1865–1905." *Diss. Abstr. Int. A* 67/09 (2007).
Dissertation at University of California, Los Angeles, 2006. Adviser: Bristow, Joseph. UMI pub. no. 3234346. 390 pp. "This interdisciplinary study explores how scientifically savvy novelists like Bram Stoker, Robert Louis Stevenson, Silas Weir Mitchell and H. G. Wells criticized the materialist bias of late-Victorian neuroscience through their fiction." (from the abstract)

360-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

2459. BENJAMIN, Ludy T., and David B. BAKER. *From Séance to Science: A History of the Profession of Psychology in America.* (xix + 266 pp.; ill.; map; bibl.; index.) Belmont, CA: Thomson/Wadsworth, 2004. ISBN: 0155042645.

2460. BRADDOCK, L. E. "Psychoanalysis as Functionalist Social Science: The Legacy of Freud's 'Project for a Scientific Psychology.'" *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 394–413.

2461. DEGNI, Silvia, Renato FOSCHI, and Giovanni Pietro LOMBARDO. "Contexts and Experimentalism in the Psychology of Gabriele Buccola (1875-1885)." *J. Hist. Behav. Sci.* 43 (2007): 177–195.

Explores Buccola's role in Italian scientific psychology, and highlights the Darwinian, Spencerian, and Haeckelian evolutionist themes emerging from his work.

2462. DELAPORTE, François. *Anatomie des passions.* Science, histoire et société. (220 pp.; ill.) Paris: Presses universitaires de France, 2003. ISBN: 213053225X.

Examines Guillaume-Benjamin Duchenne's *Méchanisme du physiognomie humaine* (1863), which recounts the use of electrotherapy to explore facial myology and advance a theory of human expression.

Reviews: [ref. R337]

2463. DEVOLL, Matthew W. "Emerson and Dreams: Toward a Natural History of Intellect." *ATQ* 18 (2004): 69–87.

2464. DOMANSKI, Cezary W. "A Biographical Note on Max Friedrich (1856-1887), Wundt's First Ph.D Student in Experimental Psychology." *J. Hist. Behav. Sci.* 40 (2004): 311–317.

2465. FEEST, Uljana. " 'Hypotheses, everywhere only hypotheses!!': On Some Contexts of Dilthey's Critique of Explanatory Psychology." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 43–62.

2466. GOETSCH, Paul. "The Savage Within: Evolutionary Theory, Anthropology and the Unconscious in *Fin-de-Siècle* Literature." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 95–106.

Looks especially at Stevenson and Conrad.

2467. GROPPI, Susan Marie. "The Science of Mind: Exploring the Influence of the Academic Environment on the Development of Research Psychology in America, 1880–1910." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: Carson, Cathryn. UMI pub. no. 3228344. 290 pp.

2468. GUILLIN, Vincent. "Théodule Ribot's Ambiguous Positivism: Philosophical and Epistemological Strategies in the Founding of French Scientific Psychology." *J. Hist. Behav. Sci.* 40 (2004): 165–181.

2469. GUNDLACH, Horst. "Sigmund Freud und die Lauterkeit." *Ber. Wissenschaftsgesch.* 27 (2004): 175–185.

Discusses Freud's claims of success with his patients.

2470. HARTLEY, Lucy. "A Science for One or a Science for All? Physiognomy, Self-Help and the Practical Benefits Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 71–82.

2471. LAFFERTON, Emese. "Death by Hypnosis: An 1894 Hungarian Case and Its European Reverberations." *Endeavour* 30 (2006): 65–70.

On the social ramifications of a highly publicized fatal hypnotic séance.

2472. LEBLANC, André. "Thirteen Days: Joseph Delboeuf versus Pierre Janet on the Nature of Hypnotic Suggestion." *J. Hist. Behav. Sci.* 40 (2004): 123–147.

2473. LENOIR, Timothy. "Operationalizing Kant: Manifolds, Models, and Mathematics in Helmholtz's Theories of Perception." In *The Kantian Legacy in Nineteenth Century Science*, edited by FRIEDMAN and NORDMANN (2006) [ref. 2097], 141–210.

2474. MANDLER, George. *A History of Modern Experimental Psychology: From James and Wundt to Cognitive Science.* (xx + 287 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2007. ISBN: 0262134756.

"Emphasizes the social and cultural context, showing how different theoretical developments reflect the characteristics and values of the society in which they occurred," from art and religion to new turns in philosophy and other sciences. (from the publisher)

2475. MICHELL, Joel. "Psychophysics, Intensive Magnitudes, and the Psychometricians' Fallacy." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 414–432.

2476. NACCARATO, Peter. " 'You Should Get Your Head Examined': Freudian Psychoanalysis and the Limits of Nineteenth-Century Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 183–196.

2477. PEARL, Sharrona Hyla. "As Plain as the Nose on your Face: Physiognomy in Nineteenth Century England." *Diss. Abstr. Int. A* 66/11 (2006): 4162.

Dissertation at Harvard University, 2005. Adviser: Harrington, Anne. UMI pub. no. 3194443. 387 pp.

2478. PETTIT, Michael. "Joseph Jastrow, the Psychology of Deception, and the Racial Economy of Observation." *J. Hist. Behav. Sci.* 43 (2007): 159–175.

2479. PETTIT, Michael John. "The Science of Deception: The Human Sciences, the Law, and Commercial Culture in America, 1860s–1920s." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of Toronto (Canada), 2006. Pub. no. AAT NR21890. 275 pp. "Investigates the cultural meanings ascribed to the mental processes of deceiving and being deceived." (from the abstract)

2480. RADICK, Gregory. "Language, Brain Function, and Human Origins in the Victorian Debates on Evolution." Part of special issue: "Function, Teleology and Design" [ref. 439]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 55–75.

2481. REED, Matt T. " 'La manie d'Écrire': Psychology, Auto-observation, and Case History." *J. Hist. Behav. Sci.* 40 (2004): 265–284.

"Examines the modern psychiatric case study as a scientific method and as a genre of writing about the self." (from the abstract)

2482. RICHARDS, Graham. "Noah Porter's Problem and the Origins of American Psychology." *J. Hist. Behav. Sci.* 40 (2004): 353–374.

2483. SCHICKORE, Jutta. "Misperception, Illusion and Epistemological Optimism: Vision Studies in Early Nineteenth-Century Britain and Germany." *Brit. J. Hist. Sci.* 39 (2006): 383–405.

2484. SCHOTT, Heinz. "Imagination – Einbildungskraft – Suggestion: Zur 'Scharlatanerie' in der neuzeitlichen Medizin." *Ber. Wissenschaftsgesch.* 27 (2004): 99–108.

Focus on Hippolyte Bernheim and the notion of autosuggestion in medicine.

2485. SHIELDS, Stephanie A. "Passionate Men, Emotional Women: Psychology Constructs Gender Difference in the Late 19th Century." Part of a special issue: "Power Matters: Knowledge Politics in the History of Psychology" [ref. 506]. *Hist. Psychol.* 10 (2007): 92–110.

Focuses on American and British contexts.

2486. STAUBERMANN, Klaus. "Investigating Vision and the Reversion Spectroscope: Early Astronomical Colour Studies in Experimental Psychology." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 755–764.

2487. STAUM, Martin S. "Ribot, Binet, and the Emergence from the Anthropological Shadow." *J. Hist. Behav. Sci.* 43 (2007): 1–18.

"In the drive to establish a naturalistic psychology in France, anthropological assumptions about a hierarchy of physically determined racial groups ... permeated the work of" Théodule Ribot. (from the abstract)

2488. TEO, Thomas. "Local Institutionalization, Discontinuity, and German Textbooks of Psychology, 1816–1854." *J. Hist. Behav. Sci.* 43 (2007): 135–157.

2489. VRETTOS, Athena. "Dying Twice: Victorian Theories of Déjà Vu." In *Disciplinarity at the Fin de Siècle*, edited by ANDERSON and VALENTE (2002) [ref. 2491], 196–218.

360-140. SOCIAL SCIENCES, GENERAL WORKS

(includes criminology, demography, etc.)

2490. AMBROISE, Jason Randolph. "On the Origins of Criminology: The Offender and Socio-Human Existence in United States Criminology Discourse." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: Martin, Waldo E., Jr. Pub. no. AAT 3253750. 221 pp.

2491. ANDERSON, Amanda, and Joseph VALENTE. (Eds.) *Disciplinarity at the Fin de Siècle.* (vi + 342 pp.; ill.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2002. ISBN: 0691089612.

Partial contents: Arkady PLOTNITSKY, "Disciplinarity and Radicality: Quantum Theory and Nonclassical Thought at the Fin de Siècle, and as Philosophy of the Future," 44-84 [ref. 3029]; Liah GREENFELD, "How Economics Became a Science: A Surprising Career of a Model Discipline," 87-125 [ref. 515]; Ivan STRENSKI, "Durkheim, Disciplinarity, and the '*Sciences Religieuses*,' " 153-173 [ref. 2504]; Athena VRETTOS, "Dying Twice: Victorian Theories of Déjà Vu," 196-218 [ref. 2489]; Lauren M. E. GOODLAD, "Character and Pastorship in Two British 'Sociological' Traditions: Organized Charity, Fabian Socialism, and the Invention of New Liberalism," 235-260 [ref. 2502]; Simon JOYCE, "Victorian Continuities: Early British Sociology and the Welfare of the State," 261-280 [ref. 2503].

2492. ARMITAGE, Kevin C. " 'The Child Is Born a Naturalist': Nature Study, Woodcraft Indians, and the Theory of Recapitulation." *Journal of the Guilded Age and Progressive Era* 6 (2007): 43–70.

On how a theory of child devlopment was used to guide education theory.

2493. BAUER, Heike. "Scholars, Scientists and Sexual Inverts: Authority and Sexology in Nineteenth-Century Britain." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 197–206.

2494. CARROY, Jacqueline, Nicole EDELMAN, Annick OHAYON, and Nathalie RICHARD. *Les femmes dans les sciences de l'homme (XIX^{e}-XX^{e} siècles) : inspiratrices, collaboratrices ou créatrices.* (318 pp.) Paris: Editions Seli Arslan, 2005. ISBN: 2842761081.

Reviews: [ref. R211]

2495. DAIGLE, Jonathan R. "United States Realism and the (Conceptual) Problem of Race: Realists and Race Science from 1877 to 1905." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Schaub, Thomas. Pub. no. AAT 3234706. 370 pp. "The writers I study—Sarah Orne Jewett, a supremacist; William Dean Howells, a race liberal; George Washington Cable, a bold anti-segregationist; and Paul Laurence Dunbar, 'the black poet laureate'—were not only conversant with new scientific developments, they themselves were social scientists." (from the abstract)

2496. GOLDMAN, Lawrence. "Victorian Social Science: From Singular to Plural." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 87–114.

2497. NAIR, Rahul S. "The Discourse on Population in India, 1870–1960." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at University of Pennsylvania, 2006. Adviser: Ludden, David E. UMI pub. no. 3225513. 285 pp.

2498. PETTERSSON, Oskar. *Politisk vetenskap och vetenskaplig Politik: Studier i svensk statsvetenskap kring 1900.* Translated title: [Political science and scientific politics: Studies in Swedish political science around 1900]. In Swedish. Skrifter. (221 pp.) Uppsala: Uppsala University, Humanistisk-samhällsvetenskapliga vetenskapsområdet, 2003. ISBN: 9150616609.

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360-153. PHARMACY

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360-160. TECHNOLOGY, GENERAL WORKS

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360-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

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360-163. AGRICULTURE AND RELATED SCIENCES

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370. TWENTIETH CENTURY, EARLY

(includes topics covering the entire 20th century)

370-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

2761. ACOSTA RIZO, Carlos, Nicolás CUVI, and Xavier ROQUÉ. *Ciencia entre España e Hispanoamérica: Ecos del siglo XX.* (135 pp.; ill.; bibl.) Barcelona: Centre d'Estudis d'Historia de les Ciencies, Universitat Autonoma de Barcelona, 2003. ISBN: 8468824844.

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2765. ELSNER, Norbert. (Ed.) *Das ungelöste Welträtsel: Frida von Uslar-Gleichen und Ernst Haeckel. Briefe und Tagebücher 1898–1903.* 3 vols. (1341 pp.) Wallstein, 2000. ISBN: 3892443777.

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2771. MCMILLAN, Priscilla J. *The Ruin of J. Robert Oppenheimer and the Birth of the Arms Race.* (viii

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2772. MOBERG, Carol L. *René Dubos, Friend of the Good Earth: Microbiologist, Medical Scientist, Environmentalist.* (xi + 260 pp.; ill.; maps.) Washington D.C.: American Society for Microbiology, 2005. ISBN: 1555813402.
Reviews: [ref. R961]

2773. PAIS, Abraham. *J. Robert Oppenheimer: A Life.* With supplemental material by Robert P. CREASE. (xxii + 352 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 0195166736.

2774. PASACHOFF, Naomi. "The Many Facets of J. Robert Oppenheimer." *Metascience* 15 (2006): 251–263.
Essay review of Jeremy BERNSTEIN, *Oppenheimer* (2004) [ref. 2763]; Kai BIRD and Martin J. SHERWIN, *American Prometheus* (2005); David C. CASSIDY, *J. Robert Oppenheimer and the American Century* (2004); Jennet CONANT, *109 East Palace* (2005); Priscilla J. MCMILLAN, *The Ruin of J. Robert Oppenheimer and the Birth of the Arms Race* (2005) [ref. 2771].

2775. POLANYI, John C. "Michael Polanyi, the Scientist." *Chem. Heritage* 23, no. 1 (2005): 10–13.

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Reviews: [ref. R1141]

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Essay review of Kai BIRD and Martin J. SHERWIN, *American Prometheus* (2005).

2780. THOMAS, John Meurig. "Max Perutz: Chemist, Molecular Biologist, Human Rights Activist." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 59–65.

2781. THORPE, Charles. *Oppenheimer: The Tragic Intellect.* (xx + 413 pp.; bibl.; index; ill.) Chicago: University of Chicago Press, 2006. ISBN: 0226798453.

370-2. NATIONAL CONTEXTS

2782. OLAGÜE DE ROS, Guillermo. "La *Unión Médica Hispano-Americana* (1900) y su contribucíon al internacionalismo científico." *Dynamis* 26 (2006): 151–168.
Focuses on Manuel Tolosa Latour and his suggestion to create a *Diccionario Tecnológico Médico Hispano-Americano*.

2783. TEODORESCU, Horia-Nicolai. "Hermann Oberth and His Professional Geography in the European Context of the XXth Century." *Noesis* 29 (2004): 175–187.
Examines the Romanian physicist and early rocket engineer Oberth in the political/national context of 20th-century Europe.

370-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

2784. EINSTEIN, Albert. *The Collected Papers of Albert Einstein.* edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. Vol. 10. *The Berlin Years: Correspondence, May–December 1920, and Supplementary Correspondence, 1909–1920. (English translation of selected texts).* Translated by Ann HENTSCHEL. Collected Papers of Albert Einstein. (386 pp.; index.) Princeton, N.J.; Woodstock: Princeton University Press, 2006. ISBN: 069112826X.
Includes only selections from the similarly titled volume Albert EINSTEIN, *The Collected Papers of Albert Einstein* edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. (2006) [ref. 2785].

2785. EINSTEIN, Albert. *The Collected Papers of Albert Einstein.* edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. Vol. 10. The Berlin Years: Correspondence, May–December 1920, and Supplementary Correspondence, 1909–1920. (The original texts). Collected Papers of Albert Einstein. (776 pp.; bibl.; ill.; index.) Princeton, N.J.; Woodstock: Princeton University Press, 2006. ISBN: 0691128251.

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Reviews: [ref. R386]

370-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

2788. BANEKE, David. " 'Synthese! Geef ons synthese!' H. J. Jordan en het intellectuele debat tijdens het interbellum." Translated title: [The quest for synthesis. H. J. Jordan and the intellectual debate of the interwar years]. In Dutch. *Gewina* 28 (2005): 169–185.

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2789. LAWRENCE, Christopher, and Anna-K. MAYER. (Eds.) *Regenerating England: Science, Medicine and Culture in Inter-War Britain.* Clio medica, 60. (iii + 316 pp.; ill.; bibl.; index.) Amsterdam; Atlanta, GA: Rodopi, 2000. ISBN: 9042009012.

Contents: Christopher LAWRENCE and Anna-K. MAYER, "Regenerating England: An Introduction," 1-23; Michael BARTHOLOMEW, "H. V. Morton's English Utopia," 25-44; Christopher LAWRENCE, "Edward Jenner's Jockey Boots and the Great Tradition in English Medicine 1918–1939," 45-66; Anna-K. MAYER, " 'A combative sense of duty': Englishness and the Scientists," 67-106; Timothy BOON, " 'The shell of a prosperous age': History, Landscape and the Modern in Paul Rotha's *The Face of Britain* (1935)," 107-148; Elizabeth DARLING, " 'Enriching and enlarging the whole sphere of human activities': The Work of the Voluntary Sector in Housing Reform in Inter-War Britain," 149-178; Keith VERNON, "A Healthy Society for Future Intellectuals: Developing Student Life at Civic Universities," 179-202 [ref. 81]; Abigail BEACH, "Potential for Participation: Health Centres and the Idea of Citizenship c.1920–1940," 203-230; Mathew THOMSON, "Constituting Citizenship: Mental Deficiency, Mental Health and Human Rights in Inter-War Britain," 231-250; Rhodri HAYWARD, "The Biopolitics of Arthur Keith and Morley Roberts," 251-274; Lesley A. HALL, " 'Not a domestic utensil but a woman and a citizen': Stella Browne on Women, Health and Society," 275-302.

2790. LÓPEZ SÁNCHEZ, José María. "Im Dienste der Wissenschaft: Der *Centro de estudios históricos* und die Begründung eines liberalen Nationalbewußtseins in Spanien (1910–1936)." *Ber. Wissenschaftsgesch.* 29 (2006): 121–136.

2791. NDIAYE, Pap A. *Nylon and Bombs: DuPont and the March of Modern America.* Translated by Elborg FORSTER. Studies in Industry and Society. (289 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 9780801884443.

On DuPont's role in the development of both nylon and plutonium and the relationship of those technologies to 20th-century American culture.

2792. SAHOO, Subhasis, and Binay Kumar PATTNAIK. "Scientist as Interlocutor between Science and Society: Two Biographical Studies from Orissa (India)." *Indian J. Hist. Sci.* 42 (2007): 47–72.

370-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

2793. BIEBER, Hans-Joachim. "Zur Frühgeschichte der indischen Nuklearpolitik." *Gesch. Gesell.* 31 (2005): 373–414.

2794. CHILVERS, C. A. J. "The Dilemmas of Seditious Men: The Crowther-Hessen Correspondence in the 1930s." *Brit. J. Hist. Sci.* 36 (2003): 417–435.

2795. GODIN, Benoit. *Measurement and Statistics on Science and Technology: 1920 to the Present.* Routledge Studies in the History of Science, Technology and Medicine, 22. (xx + 360 pp.; ill.; bibl.; index.) London; New York: Routledge, 2005. ISBN: 0415341043.

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Reviews: [ref. R504]

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2804. SWANN, John P. "How Chemists Pushed for Consumer Protection." *Chem. Heritage* 24, no. 2 (2006): 6–11.

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370-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

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370-26. SCIENCE AND RACE; SCIENCE AND ETHNICITY

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2816. GOLDSTEIN, Eric L. "Contesting the Categories: Jews and Government Racial Classification in the United States." *Jewish Hist.* 19 (2005): 79–107.

2817. HEINEMANN, Isabel. *Rasse, Siedlung, deutsches Blut: Das Rasse- und Siedlungshauptamt der SS und die rassenpolitische Neuordnung Europas.* Moderne Zeit, 2. (697 pp.; ill.; maps; bibl.; index.) Göttingen: Wallstein, 2003. ISBN: 3892446237.
Reviews: [ref. R605]

2818. MEZZANO, Michael. "The Progressive Origins of Eugenics Critics: Raymond Pearl, Herbert S. Jennings, and the Defense of Scientific Inquiry." *Journal of the Guilded Age and Progressive Era* 4 (2005): 83–98.

2819. NADKARNI, Asha. "Reproductive Nationalism: Eugenic Feminist Literature in the United States and India." *Diss. Abstr. Int. A* 67/08 (2007): 2976.
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Reviews: [ref. R1318]

2822. WENTLING, Sonja P. "The Engineer and the Shtadlanim: Herbert Hoover and American Jewish Non-Zionists, 1917-28." *Amer. Jewish Hist.* 88 (2000): 377–406.
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370-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

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370-28. SCIENCE AND RELIGION

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On the relationship between Protestantism and Catholicism in the Netherlands and on the astronomer Johan Stein.

2826. DAVANEY, Sheila Greeve. “Beyond Supernaturalism: Mordecai Kaplan and the Turn to Religious Nationalism.” *Jewish Soc. Stud.* 12 (2006): 73–87.

2827. DE BONT, Raf. “Rome and Theistic Evolutionism: The Hidden Strategies behind the ‘Dorlodot Affair,’ 1920–1926.” *Ann. Sci.* 62 (2005): 457–478.

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2831. MOORE, James. “R. A. Fisher: A Faith Fit for Eugenics.” *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 110–135.

2832. PERSSON, Mathias. “Ett numinöst och programmerat kosmos: Religion och naturvetenskap i Peter Nilsons Projekt Nyaga.” Translated title: [A numinous and programmed cosmos: Religion and science in Peter Nilson’s Projekt Nyaga]. In Swedish. *Lychnos* (2004): 69–97.

2833. SCHRÖDER, Wilfried. “Naturwissenschaft und Religion.” *Beit. Gesch. Geophy. Kos. Phys.* 8 (2007): (32 pp.).
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370-29. SCIENCE AND WAR

2834. ALEXANDER, Jennifer K. “An Efficiency of Scarcity: Using Food to Increase the Productivity of Soviet Prisoners of War in the Mines of the Third Reich.” *Hist. & Tech.* 22 (2006): 391–406.

2835. BADASH, Lawrence. “American Physicists, Nuclear Weapons in World War II, and Social Responsibility.” *Phys. Persp.* 7 (2005): 138–149.

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2838. BOOSS-BAVNBEK, Bernhelm, and Jens HØYRUP. (Eds.) *Mathematics and War.* (viii + 416 pp.; ill.; bibl.) Boston: Birkhäuser, 2003. ISBN: 3764316349.
Contents: Jens HØYRUP and Bernheim BOOSS-BAVNBEK, “Introduction,” 1-22; Reinhard SIEGMUND-SCHULTZE, “Military Work in Mathematics 1914–1945: An Attempt at an International Perspective,” 23-82; Elisabeth RAKUS-ANDERSSON, “The Brains behind the Enigma Code Breaking before the Second World War,” 83-102; Albert N. SHIRYAEV, “On the Defence Work of A.N. Kolmogorov during World War II,” 103-107; Kathleen WILLIAMS, “Improbable Warriors: Mathematicians Grace Hopper and Mina Rees in World War II,” 108-125; Tinne Hoff KJELDSEN, “New Mathematical Disciplines and Research in the Wake of World War II,” 126-152; Setsuo FUKUTOMI, “Mathematics and War in Japan,” 153-159; Revaz V. GAMKRELIDZE, “Discovery of the Maximum Principle in Optimal Control,” 160-173; Philip J. DAVIS, “Mickey Flies the Stealth,” 174-182; Svend BERGSTEIN, “War Cannot Be Calculated,” 183-215; Svend CLAUSEN, “Warfare Can Be Calculated,” 216-238; Helge LÖFSTEDT, “Duels of Systems and Forces,” 239-256; Ute BERNHARDT and Ingo RUHMANN, “On Facts and Fiction of ‘Information Warfare,’ ” 257-281; Elmar SCHMÄHLING, “More or less Exposed Non-combatants and Civilian Objects under the Conditions of ‘Modern Warfare,’ ” 282-298; Finn AASERUD, “Niels Bohr’s Political Crusade during World War II,” 299-311; Andrew HODGES, “The Military Use of Alan Turing,” 312-325; Tetu MAKINO, “The Mathematician K. Ogura and the ‘Greater East Asia War,’ ” 326-335; Wolf GÖHRING, “Working within the System,” 336-351; Jesper RYBERG, “Ethics and Military Research,” 352-366; Ib Martin JAMAD, “Mathematical Thinking and International Law,” 367-389; Jürgen SCHEFFRAN, “Calculated Security? Mathematical Modelling of Conflict and Cooperation,” 390-412.

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2841. COLEMAN, Kim. *A History of Chemical Warfare.* (xxv + 198 pp.; bibl.; index.) Basingstoke, Hampshire; New York: Palgrave Macmillan, 2005. ISBN: 1403934592.
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2842. DU PONT, Irénée, Jr. “William G. Ramsay, Hero of World War I: A Singular Man Completes a Singular Task.” *Chem. Heritage* 23, no. 4 (2005): 16–18.

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2844. EDGERTON, David. *Warfare State: Britain, 1920-1970.* (xv + 364 pp.; bibl.; index.) New York: Cambridge University Press, 2006. ISBN: 0511137648.
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2845. GRUNDEN, Walter E. *Secret Weapons and World War II: Japan in the Shadow of Big Science.* (xi + 335 pp.; ill.; bibl.; index.) Lawrence, KS: University Press of Kansas, 2005. ISBN: 0700613838.
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2847. HIROSHI, Ichikawa. "Introduction: A Perspective on the Historical Study of Science and Technology during the Second World War and the Cold War in Japan." First article in a special issue: "Science and Technology during the Second World War and the Cold War: A Perspective for a Cooperative Study." *Hist. Scientiarum* 16 (2006): 1–4.
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2848. KOLCHINSKY, Eduard I. "Science Mobilization in the Soviet Union." Special issue: "Science and Technology during the Second World War and the Cold War: A Perspective for a Cooperative Study" [ref. 2847]. *Hist. Scientiarum* 16 (2006): 15–28.

2849. LITALIEN, Michel. *Dans la tourmente : Deux hôpitaux militaires canadiens-français dans la France en guerre, 1915–1919.* Collection Histoire militaire. (159 pp.; bibl.; index; ill.) Outremont, Québec: Athéna Éditions, 2003. ISBN: 2922865207.
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2852. SCHMALTZ, Florian. *Kampfstoff-Forschung im Nationalsozialismus: zur Kooperation von Kaiser-Wilhelm-Instituten, Militär und Industrie.* (676 pp.; ill.; bibl.; index.) Göttingen: Wallstein, 2005. ISBN: 3892448809.
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Reviews: [ref. R1214]

2853. SCOTT, Len, and Stephen Robert TWIGGE. *Planning Armageddon: Britain, the United States and the Command of Western Nuclear Forces, 1945–1964.* Routledge Studies in the History of Science, Technology, and Medicine, 8. (x + 374 pp.; ill.; bibl.; index.) Amsterdam : Harwood Academic, 2000. ISBN: 9058230066.

2854. SIME, Ruth Lewin. "The Politics of Memory: Otto Hahn and the Third Reich." *Phys. Persp.* 8 (2006): 3–51.
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2855. TUCKER, Jonathan B. *War of Nerves: Chemical Warfare from World War I to al-Qaeda.* (xi + 479 pp.; ill.; bibl.; index.) New York: Pantheon Books, 2006. ISBN: 0375422293.
Reviews: [ref. R1371]

2856. VILENSKY, Joel A., and Pandy R. SINISH. "Blisters as Weapons of War: The Vesicants of World War I." *Chem. Heritage* 24, no. 2 (2006): 12–17.

2857. WALKER, Mark. "Otto Hahn: Responsibility and Repression." *Phys. Persp.* 8 (2006): 116–163.

2858. WEINDLING, Paul. " 'Belsenitis': Liberating Belsen, Its Hospitals, UNRRA, and Selection for Re-emigration, 1945–1948." *Sci. Context* 19 (2006): 401–418.

370-40. SCIENTIFIC INSTITUTIONS
(includes awards and prizes)

2859. BAICK, John S. "Cracks in the Foundation: Frederick T. Gates, the Rockefeller Foundation, and the China Medical Board." *Journal of the Guilded Age and Progressive Era* 3 (2004): 59–89.

2860. BATTERSON, Steve. *Pursuit of Genius: Flexner, Einstein, and the Early Faculty at the Institute for Advanced Study.* (xi + 301 pp.; ill.; bibl.; index.) Wellesley, Mass.: A K Peters, 2006. ISBN: 9781568812595.
Reviews: [ref. R70]

2861. BRISON, Jeffrey D. *Rockefeller, Carnegie, and Canada: American Philanthropy and the Arts and Letters in Canada.* (xiii + 281 pp.; bibl.; index.) Montréal: McGill-Queen's University Press, 2005. ISBN: 0773528687.
Reviews: [ref. R156]

2862. CLAYPOOL, Lisa. "Zhang Jian and China's First Museum." *J. Asian Stud.* 64 (2005): 567–604.

2863. ELZINGA, Aant. *Einstein's Nobel Prize: A Glimpse Behind Closed Doors.* Archives of the Nobel Museum, 6. (xii + 228 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications, 2006. ISBN: 0881352837.
Reviews: [ref. R391]

2864. HENNING, Eckart. *Beiträge zur Wissenschaftsgeschichte Dahlems.* Veröffentlichungen aus dem Archiv zur Geschichte der Max-Planck-Gesellschaft, 13. (190 pp.; ill.; bibl.) Berlin: Druckhaus am Treptower Park, 2000. ISBN: 3927579130.
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Reviews: [ref. R611]

2865. HOFFMANN, Dieter. "Between Autonomy and Accommodation: The German Physical Society during the Third Reich." *Phys. Persp.* 7 (2005): 293–329.

2866. HUNNER, Jon. *Inventing Los Alamos: The Growth of an Atomic Community.* (x + 288 pp.; ill.; maps; bibl.; index.) Norman: University of Oklahoma Press, 2004. ISBN: 0806136340.

Reviews: [ref. R667]

2867. KRAUSS, Marita. " 'Gedankenaustausch über Probleme und Methoden der Forschung': Transatlantische Gastprofessoren aus Emigrantenkreisen in Westdeutschland nach 1945." *Ber. Wissenschaftsgesch.* 29 (2006): 243–259.

2868. MAIER, Helmut. "The Kaiser Wilhelm Society during the Second World War." Special issue: "Science and Technology during the Second World War and the Cold War: A Perspective for a Cooperative Study" [ref. 2847]. *Hist. Scientiarum* 16 (2006): 5–14.

2869. OLWELL, Russell B. *At Work in the Atomic City: A Labor and Social History of Oak Ridge, Tennessee.* (ix + 165 pp.; ill.; bibl.; index.) Knoxville, TN: The University of Tennessee Press, 2004. ISBN: 1572333243.

Reviews: [ref. R1038]

2870. SCHÜRING, Michael. "Kontinuität im 'Wiederaufbau': Die Rolle Ernst Telschows beim Übergang der Kaiser-Wilhelm-zur Max-Planck-Gesellschaft." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 148–156.

2871. VESSURI, Hebe M. C. "Academic Science in Twentieth-Century Latin America." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 197–230.

On the development of scientific institutions and communities.

370-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

2872. BUNN, Geoffrey C. "Spectacular Science: The Lie Detector's Ambivalent Powers." Part of a special issue: "Power Matters: Knowledge Politics in the History of Psychology" [ref. 506]. *Hist. Psychol.* 10 (2007): 156–178.

On the popular images of lie detectors.

2873. GEHRKE, Charles W., Robert L. WIXOM, and Ernst BAYER. (Eds.) *Chromatography: A Century of Discovery 1900–2000: The Bridge to the Sciences and Technology.* Journal of Chromatography Library, 64. (xxix + 709 pp.; ill.; maps; bibl.; index.) Amsterdam; New York: Elsevier Science, 2001. ISBN: 0444501142.

Reviews: [ref. R484]

2874. GROB, Bart. "Willem Einthoven and the Development of the String Galvanometer. How an Instrument Escaped the Laboratory." *Hist. & Tech.* 22 (2006): 369–390.

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2875. RENTETZI, Maria. "From Cambridge to Vienna: The Scintillation Counter in Female Hands." First article in a special section: "Instrument Case Studies, 1850-1950", Papers from the XXIth and XXIIth Symposia of the Scientific Instrument Commission of the IUHPS, Division of History of Science, Athens, 2002, and Newport News, 2003. Edited by Jim BENNETT. *Nuncius* 19 (2004): 675–689.

Shaw KINSLEY, "A. E. Douglass and the Instruments of Dendrochronology," 691–699 [ref. 3101]; F. VIDAL et al, "Reconstruction of a Bosch-Omori Seismograph," 701–711 [ref. 2272]; Rajinder SINGH, "Designing, Making and Using Scientific Instruments in India: The Example of Jagadis Chunder Bose," 713–723 [ref. 2064]; Richard A. PASELK, "The Chemical Refractometer," 725–732 [ref. 3072].

370-42. SCIENCE EDUCATION

(includes history of educational institutions)

2876. BENSAUDE-VINCENT, Bernadette. "Paul Langevin : L'histoire des sciences comme remède à tout dogmatisme." Part of special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République" [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 311–327.

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2877. COOK, Gary A. "George Herbert Mead and the Allen Controversy at the University of Wisconsin." *J. Hist. Behav. Sci.* 43 (2007): 45–67.

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2878. GAY, Hannah. *The History of Imperial College London, 1907-2007: Higher Education and Research in Science, Technology and Medicine.* Foreword by Richard SYKES. (xxvii + 825 pp.; ill.; index.) London: Imperial College Press, 2007. ISBN: 9781860947087.

2879. RUDOLPH, John L. "Epistemology for the Masses: The Origins of 'The Scientific Method' in American Schools." *Hist. Educ. Quart.* 45 (2005): 341–376.

2880. STADLER, Friedrich. (Ed.) *Österreichs Umgang mit dem Nationalsozialismus: Die Folgen für die naturwissenschaftliche und humanistische Lehre.* (283 pp.; ill.; bibl.; index.) Wien; New York: Springer, 2004. ISBN: 3211215379.

Partial contents: Friedrich STADLER, "Österreich und der Nationalsozialismus - Die Folgen für das intellektuelle Leben," 15-28; Friedrich HIRZEBRUCH, "Bemerkungen zum Exodus der Mathematik aus Deutschland," 127-135 [ref. 2911]; Ruth Lewin SIME, "Twice Removed. The Emigration of Lise Meitner and Marietta Blau," 153-170 [ref. 2802]; Mitchell G. ASH, "Hochschulen und Wissenschaften im Nationalsozialismus und danach - Stand der Forschung und Projekte in Österreich," 213-227.

Reviews: [ref. R1301]

2881. WEINER, Douglas R. "Struggle over the Soviet Future: Science Education versus Vocationalism during the 1920s." *Russ. Rev.* 65 (2006): 72–97.

2882. YAO Ya-xin. "The foundation of the graduate college at Tsinghua University and scientific research in 1930s." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 24, no. 1 (2007): 96–100.

2883. ZACK, Manuel, Lawrence MARTIN, and Alvin A. LEE. *Harry Thode: Scientist and Builder at McMaster University.* (vi + 171 pp.; bibl.) Hamilton, Ont.: McMaster University Press, 2003. ISBN: 1894088387.

Reviews: [ref. R1474]

370-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

2884. BAZHANOV, Valentin A. "The Scholar and the 'Wolfhound Era': The Fate of Ivan E. Orlov's Ideas in Logic, Philosophy, and Science." *Sci. Context* 16 (2003): 535–550.

On the life and work of the Russian scholar Ivan E. Orlov, a pioneer of relevant logic, as well as a student of philosophy, chemistry, and music theory.

2885. CHIMISSO, Cristina. "The Identity and Routes of Philosophy of Science." *Stud. Hist. Phil. Sci.* 37 (2006): 353–360.

Essay review of Anastasios BRENNER, *Les Origines Françaises de la Philosophie des Sciences* (2003).

2886. DUHEM, Pierre. *Sauver les apparences : Sur la notion de théorie physique, de Platon à Galilée.* Introduction by Paul BROUZENG. Bibliothèque des textes philosophiques. (156 pp.) Paris: Librairie philosophique J. Vrin, 2003. ISBN: 2711616088.

2887. KOCHAN, Jeff. "Feenberg and STS: Counter-Reflections on Bridging the Gap." *Stud. Hist. Phil. Sci.* 37 (2006): 702–720.

Reply follows. Essay review of Andrew FEENBERG, *Heidegger and Marcuse* (2005).

2888. MALDONADO-TORRES, Nelson. "Introduction." Special issue: "New Caribbean Philosophy." *Carib. Stud.* 33 (2005): vii-xiii.

Includes: Nelson MALDONADO-TORRES, "Frantz Fanon and C. L. R. James on Intellectualism and Enlightened Rationality," 149–194.

2889. MANCOSU, Paolo. "Harvard 1940–1941: Tarski, Carnap and Quine on a Finitistic Language of Mathematics for Science." *Hist. Phil. Logic* 26 (2005): 327–357.

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370-113. CHEMISTRY

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370-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

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Reviews: [ref. R364]

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3104. MOHR, Barbara A. R., and Annette VOGT. “Marlies Teichmüller (1914–2000): A Successful Woman Geologist and the Berlin School of Oragnic Petrology.” *Earth Sci. Hist.* 25 (2006): 117–139.

3105. O’NEILL, Dan. *The Last Giant of Beringia: The Mystery of the Bering Land Bridge.* (vii + 231 pp.; ill.; bibl.; index.) Boulder, Colo.: Westview Press, 2004. ISBN: 0813341973.

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Reviews: [ref. R1024]

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3107. SALOMÉ ALVES DA MOTA, Teresa. "A Mere Shadow of an Institution: The Unhappy Story of the Portuguese Geological Survey (PGS) in the Period between the Two World Wars." *Ann. Sci.* 64 (2007): 19–40.

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370-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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3111. MACLAREN, I.S., Eric HIGGS, and Gabrielle ZEZULKA-MAILLOUX. *Mapper of Mountains: M.P. Bridgland in the Canadian Rockies 1902-1930.* (xvi + 295 pp.; ill; maps; bibl.; index.) Edmonton: University of Alberta Press, 2005. ISBN: 0888644566.

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370-122. NATURAL HISTORY

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Reviews: [ref. R350]

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"Traces the development of Canadian wildlife conservation from its social, political, and historical roots." Discusses the work of conservationists such as Jack Miner and Grey Owl. (from the publisher)
Reviews: [ref. R857]

3117. WONDRAK BIEL, Alice. *Do (Not) Feed the Bears: The Fitful History of Wildlife and Tourists in Yellowstone.* (x + 186 pp.; ill.; bibl.; index.) Lawrence: University of Kansas Press, 2006. ISBN: 070061432X.
Reviews: [ref. R1453]

370-123. ECOLOGY; ENVIRONMENTAL SCIENCES

(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

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370-130. BIOLOGICAL SCIENCES, GENERAL WORKS

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370-132. ZOOLOGY

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(for genetic engineering, see 134-Microbiology)

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370-134. MICROBIOLOGY; MOLECULAR BIOLOGY *(includes genetic engineering; for agricultural biotechnology, see 163-Agriculture)*

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370-135. PHYSICAL ANTHROPOLOGY; HUMAN BIOLOGY

(includes human evolution, primatology; for human body, see also 150-Medicine)

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370-141. SOCIOLOGY

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370-146. HISTORY

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370-163. AGRICULTURE AND RELATED SCIENCES

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370-164. AIR AND SPACE TECHNOLOGIES

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375. TWENTIETH CENTURY, LATE; TWENTY-FIRST CENTURY

375-1. GENERAL HISTORIES OF SCIENCE

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3505. DENTON, Derek. "Kenneth Baillieu Myer 1921–1992." *Hist. Rec. Aust. Sci.* 18 (2007): 97–111.
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375-2. NATIONAL CONTEXTS

3508. KANG Hoje. *Bukhan gwahak gisul hyeongseongsa.* Translated title: [History of the formation of science and technology in North Korea, vol. 1]. In Korean. Seoul: Seonin Publishing, 2007.
On science-technology policies, research institutions, and the activities of scientists and engineers from 1945 to the early 1960s; traces the activities of the Academy of Sciences of the Democratic People's Republic of Korea.

375-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

3509. BILLINGS, Linda. "Sex. Aliens. Harvard? Rhetorical Boundary-Work in the Media: (A Case Study of the Role of Journalists in the Social Construction of Scientific Authority)." *Diss. Abstr. Int. A* 67/01 (2006): 15.
Dissertation at Indiana University, 2005. Adviser: Stocking, S. Holly. UMI pub. no. 3204281. 398 pp. Looks at media reaction to Pulitzer Prize winning Harvard psychiatry professor John Mack's involvement in UFO abduction claims.

3510. DAY, Michael A. "I. I. Rabi: The Two Cultures and the Universal Culture of Science." *Phys. Persp.* 6 (2004): 428–476.

3511. HESSLER, Martina. "Wissenschaftsstädte - Zur Bedeutung des Topos der kreativen Stadt für die Wissensproduktion." *Ber. Wissenschaftsgesch.* 30 (2007): 145–160.
Explains how "the relationship of science and the city has changed since the 1970s." (from the abstract)

3512. MATHESON, Tamara Chaplin. "Embodying the Mind, Producing the Nation: Philosophy on French Television." *J. Hist. Ideas* 67 (2006): 315–341.
On use of TV by the French state in a nation-building capacity through the broadcast of thousands of programs on philosophy in the late 20th century.

3513. MEULENBERG, Frans. " 'Amice, ga je gang, maar maak het niet te moeilijk'. De wetenschapsrubriek van Pierre Vinken in *Vrij Nederland*: 1959-1963." Part of a special issue: "Geschiedenis van de medische publiekscommunicatie" [ref. 561]. *Gewina* 25 (2002): 275–288.
On one of the pioneers of scientific journalism in the Netherlands.

375-21. SCIENCE AND ETHICS

3514. CORRIGAN, Oonagh P., and Bryn WILLIAMS-JONES. "Pharmacogenetics: The Bioethical Problem of DNA Investment Banking." Part of a special issue: "Genetic Databases and Pharmacogenetics: Social, Policy and Ethical Issues" [ref. 3801]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 550–565.

375-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

3515. BALMER, Brian. "A Secret Formula, a Rogue Patent and Public Knowledge about Nerve Gas: Secrecy as a Spatial–Epistemic Tool." *Soc. Stud. Sci.* 36 (2006): 691–722.
Case study of the publication and reaction to a 1975 British newspaper article reporting that the patent on a chemical warfare agent was available in public libraries.

3516. BLOK, Anders. "Experts on Public Trial: On Democratizing Expertise through a Danish Consensus Conference." *Public Underst. Sci.* 16 (2007): 163–182.

3517. BRAUN, Daniel. "Sorting Out Disasters: A New Case Study for Classification Theory." *Sci. Canadensis* 29 (2006): 73–86.
On the government classification of disasters.

3518. GORMALLY, Luke. "Arguing from Autonomy and Dignity for the Legalization of Assistance in Suicide and Voluntary Euthanasia." *Acta Phil.* 15 (2006): 231–245.

3519. GREENE, Benjamin P. *Eisenhower, Science Advice, and the Nuclear Test-Ban Debate, 1945–1963.* (xiii + 358 pp.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2007. ISBN: 0804754454.
"Analyzes the secret debate within the Eisenhower administration over the pursuit of a nuclear test-ban agreement," and Eisenhower's dependence on his science advisors. (from the publisher)

3520. JASANOFF, Sheila. *Designs on Nature: Science and Democracy in Europe and the United States.* (xiii + 374 pp.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2005. ISBN: 0691118116.
Study of policies relating to issues in late 20th-century biotechnology in various governing bodies.
Reviews: [ref. R687]

3521. KRIGE, John. *American Hegemony and the Postwar Reconstruction of Science in Europe.* Transformations. (viii + 376 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2006. ISBN: 0262112973.

3522. LING, Tom, and Ann RAVEN. "Pharmacogenetics and Uncertainty: Implications for Policy Makers." Part of a special issue: "Genetic Databases and Pharmacogenetics: Social, Policy and Ethical Issues" [ref. 3801]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 533–549.

3523. LUCAS, Matthew James William. "Bridging a Cultural Divide: Strengthening Similarities and Managing Differences in University-Industry Relationships." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at University of Toronto (Canada), 2006. UMI pub. no. NR15982. 379 pp. Studies the University of Toronto and its industry partners: the IBM Centre for Advanced Studies, the Nortel Institute for Telecommunications, and the Bell University Labs.

3524. MOON Man-yong. "Han'guk eui 'dunyoe-yuchul' byeonhwawa KIST eui yeokwal." Translated title: [Korea's "brain drain" and the role of KIST (The Korean Institute of Science and Technology)]. In Korean. *Han'guk Munhwa* 37 (2006): 229–261.

On KIST's success since 1966 in attracting overseas Korean scientists to repatriate.

3525. PINKUS, Binyamin. "Atomic Power to Israel's Rescue: French-Israeli Nuclear Cooperation, 1949–1957." *Israel Studies* 7, no. 1 (2002): 104–138.

Focuses on implications of nuclear weapons cooperation.

3526. SCHIBECI, Renato, and Jeffrey HARWOOD. "Stimulating Authentic Community Involvement in Biotechnology Policy in Australia." *Public Underst. Sci.* 16 (2007): 245–255.

3527. SCHNEIDER, Christoph. "Der Scharlatan auf dem Rechtsweg: Und was vielleicht zu seiner Umlenkung getan werden könnte." *Ber. Wissenschaftsgesch.* 27 (2004): 237–251.

3528. SHAFER, Mark Andrew. "The Role of Scientists and Scientific Information in Public Policy Decisions: The Case of Drought Planning." *Diss. Abstr. Int. A* 66/12 (2006): 4520.

Dissertation at The University of Oklahoma, 2005. Adviser: James, Thomas E. UMI pub. no. 3203309. 273 pp. Explores the notion of a cultural divide that separates scientists from the broader society in the context of contemporary drought policy.

3529. SHAW, Alison. "Imbued Meaning: Science-Policy Interactions in the Intergovernmental Panel on Climate Change." *Diss. Abstr. Int. A* 66/12 (2006): 4551.

Dissertation at The University of British Columbia (Canada), 2005. UMI pub. no. NR10567. 186 pp.

3530. SHULMAN, Seth. *Undermining Science: Suppression and Distortion in the Bush Administration.* (xix + 202 pp.; bibl.; index.) Berkeley: University of California Press, 2006. ISBN: 0520247027.

3531. VINGER, Elin. "Statlig energiprognosverksamhet: I ljuset av 1970-talets energikriser." Translated title: [Governmental energy forecasting: In the light of the 1970's energy crises]. In Swedish. *Lychnos* (2005): 115–139.

375-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

3532. ADAMS, Jon. "Making a Science of Literary Criticism." *Endeavour* 31 (2007): 30–33.

3533. FRITZSCHE, Sonja. "East Germany's *Wekstatt Zukunft*: Futurology and the Science Fiction Films of *defa-futurum*." *Germ. Stud. Rev.* 29 (2006): 367–386.

3534. JANZEN, Bernd Hubert. "Roddenberry's Faith in 'Star Trek': 'Star Trek''s Humanism as an American Apocalyptic Vision of the Future." *Diss. Abstr. Int. A* 67/07 (2007): 2578.

Dissertation at University of California, Riverside, 2006. Adviser: Slusser, George E. UMI pub. no. 3226549. 313 pp.

375-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

3535. CODE, Lorraine. "Images of Expertise: Women, Science, and the Politics of Representation." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 289–314.

3536. XIE, Yu, and Kimberlee A. SHAUMAN. *Women in Science: Career Processes and Outcomes.* (xvi + 318 pp.; ill.; bibl.; index.) Cambridge, MA.: Harvard University Press, 2003. ISBN: 0674010345.

Reviews: [ref. R1462]

375-28. SCIENCE AND RELIGION

3537. SEPKOSKI, David. "Worldviews in Collision: Recent Literature on the Creation-Evolution Debate." *J. Hist. Biol.* 39 (2006): 607–615.

Essay review of Michael RUSE, *The Evolution-Creation Struggle* (2005); William A. DEMBSKI and Michael RUSE (eds.), *Debating Design* (2004) [ref. 3661]; Matt YOUNG and Taner EDIS (eds.), *Why Intelligent Design Fails* (2004) [ref. 3667]; John BROCKMAN (ed.), *Intelligent Thought* (2006) [ref. 3658]; Eugenie C. SCOTT, *Evolution* vs. *Creation* (2004).

3538. WILSON, David Sloan. "Religious Groups as Adaptive Units." Special issue: "Darwinian Evolution across the Disciplines" [ref. 467]. *Hist. Phil. Life Sci.* 23 (2001): 467–503.

375-29. SCIENCE AND WAR

3539. FORDEN, Geoffrey. "How the World's Most Underdeveloped Nations Get the World's Most Dangerous Weapons." *Tech. Cult.* 48 (2007): 92–103.

3540. FOX, Donna M. "Scientific and Technical Aspects of a Large-Scale Biological Weapons Program: Lessons Learned from the Former Soviet Union's Anti-Personnel BW Program, 1975–1990." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at George Mason University, 2006. Adviser: Alibek, Ken. UMI pub. no. 3234105. 201 pp.

3541. GREEN, Christopher D. "Introduction to Discussion of Alfred W. McCoy's *A Question of Torture*." Introduction to special section. *J. Hist. Behav. Sci.* 43 (2007): 197.

McCoy's book discusses CIA interrogation techniques from the early Cold War to the present. Contents: Thomas BLASS, "Unsupported Allegations about a Link between Milgram and the CIA: Tortured Reasoning in *A Question of Torture*," 199–203 [ref. 3699]; Richard E. BROWN, "Alfred McCoy, Hebb, the CIA and Torture," 205–213.

3542. MASCO, Joseph. *The Nuclear Borderlands: The Manhattan Project in Post-Cold War New Mexico.* (xiii + 425 pp.; ill.; index; bibl.) Princeton, N.J.: Princeton University Press, 2006. ISBN: 0691120765.

An "anthropological study of the long-term consequences of the Manhattan Project for the people that live in and around Los Alamos, New Mexico," including weapons scientists, Pueblo Indian Nations, Nuevomexicano communities, and antinuclear activists. (from the publisher)

3543. POMEROY, Steven Anthony. "Echoes That Never Were: American Mobile Intercontinental Ballistic Missiles, 1956–1983." *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at Auburn University, 2006. Adviser: Trimble, William F. UMI pub. no. 3215735. 317 pp.

3544. VOGEL, Kathleen. "Bioweapons Proliferation: Where Science Studies and Public Policy Collide." *Soc. Stud. Sci.* 36 (2006): 659–690.

3545. WANG, Jessica. "American Scientists and Cold War Politics: Current and Future Research Directions." Special issue: "Science and Technology during the Second World War and the Cold War: A Perspective for a Cooperative Study" [ref. 2847]. *Hist. Scientiarum* 16 (2006): 29–34.

3546. WEINBERGER, Sharon. *Imaginary Weapons: A Journey Through the Pentagon's Scientific Underworld.* (xxviii + 276 pp.; index.) New York, N.Y.: Nation Books, 2006. ISBN: 1560258497.

Reviews: [ref. R1431]

375-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

3547. FAUQUE, Danielle, and Myriana ILIC. "L'histoire des sciences au sein d'une société savante, l'Association française pour l'avancement des sciences (1945–1978)." *Arch. Int. Hist. Sci.* 52 (2002): 46–67.

3548. HORROCKS, Sally M. "The Internationalization of Science in a Commercial Context: Research and Development by Overseas Multinationals in Britain before the Mid-1970s." *Brit. J. Hist. Sci.* 40 (2007): 227–250.

3549. KADEN, Heiner, and Karl-Heinz SCHLOTE. "Kurt Schwabe – Ein Leipziger Akademiepräsident in schwieriger Zeit." *NTM* 13 (2005): 92–103.

"An overview about Schwabe's activities as president of the Saxon Academy of Science from 1965 to 1980." (from the abstract)

3550. ORTH, Karin. "Das Förderprofil der Deutschen Forschungsgemeinschaft 1949 bis 1969." *Ber. Wissenschaftsgesch.* 27 (2004): 261–283.

Analyzes the activities of the Deutsche Forschungsgemeinschaft (German Research Foundation), focusing on which studies in which disciplines were financed.

3551. SEHAT, Connie Moon. "Education and Utopia: Technology Museums in Cold War Germany." *Diss. Abstr. Int. A* 67/05 (2006): 1878.

Dissertation at Rice University, 2006. Adviser: Caldwell, Peter C. UMI pub. no. 3216777. 320 pp.

375-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

3552. MODY, Cyrus C. M. "Corporations, Universities, and Instrumental Communities: Commercializing Probe Microscopy, 1981-1996." *Tech. Cult.* 47 (2006): 56–80.

3553. PARASCANDOLA, John. "A Business Born in a Basement and a Garage: A Story from the CHF Oral History Program." *Chem. Heritage* 24, no. 3 (2006): 10–13, 44.

About Robert Allington and his scientific instruments company.

375-42. SCIENCE EDUCATION

(includes history of educational institutions)

3554. BURGE, Stephanie Woodham. "Gendered Pathways in Higher Education: Change and Stability in the Pursuit of a Science Degree." *Diss. Abstr. Int. A* 67/04 (2006): 1539.

Dissertation at The Florida State University, 2006. Adviser: Reynolds, John. UMI pub. no. 3216474. 136 pp. "This dissertation examines cohort changes in young women's and men's intentions to pursue science majors and achievements of a science degree between the 1970s and 1990s." (from the abstract)

3555. TERZIAN, Sevan G. "Science World, High School Girls, and the Prospect of Scientific Careers, 1957–1963." *Hist. Educ. Quart.* 46 (2006): 73–99.

"Focuses on the portrayal of women scientists in the high school science magazine *Science World* as a way of encouraging U.S. high school girls to pursue scientific careers." (from the abstract)

3556. VALENTI, JoAnn M., and Gaugau TAVANA. "Report: Continuing Science Education for Environmental Journalists and Science Writers." *Sci. Commun.* 27 (2005): 300–310.

3557. VEST, Charles M. *Pursuing the Endless Frontier: Essays on MIT and the Role of Research Universities.* (xxvi + 292 pp.; index.) Cambridge, Mass.: MIT Press, 2005. ISBN: 0262220725.

Reviews: [ref. R1393]

3558. VEST, Charles M. *The American Research University from World War II to World Wide Web: Governments, the Private Sector, and the Emerging Meta-University.* The Clark Kerr Lectures On the Role of Higher Education in Society, 1. (xii + 127 pp.; bibl.; index.) Berkeley: University of California Press, 2007. ISBN: 9780520252530.

375-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

3559. DARR, Asaf, and Leora ROTHSCHILD. "Social Capital and the Absorption of Immigrant Scientists and Engineers into Israeli Communities of Experts." *Israel Studies* 9, no. 2 (2004): 106–120.

Discusses the absorbtion of immigrants from the former Soviet Union during the 1990s.

3560. REINHARDT, Carsten. "Wissenstransfer durch Zentrenbildung: Physikalische Methoden in der Chemie und den Biowissenschaften." *Ber. Wissenschaftsgesch.* 29 (2006): 224–242.

From the 1950s to 1970s when physical techniques became central to chemical and biological sciences, many scientists cooperated more closely with instrument manufacturers and science-funding agencies.

3561. VON BURG, Ron. "The Cinematic Turn in Public Discussions of Science." *Diss. Abstr. Int. A* 67/01 (2006): 175.

Dissertation at University of Pittsburgh, 2005. Adviser: Mitchell, Gordon. UMI pub. no. 3206843. 207 pp. On the way that scientists, science journalists, and science educators use "popular fictional films to support technical arguments that bear on public policy questions...to help galvanize public attention or teach scientific and technological principles to nonscientific publics." (from the abstract)

375-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

3562. ATKINSON, David, and Jeanne PEIJNENBURG. "Probability without Certainty: Foundationalism and the Lewis–Reichenbach Debate." *Stud. Hist. Phil. Sci.* 37 (2006): 442–453.

375-103. MATHEMATICS

3563. ERICKSON, Paul. "The Politics of Game Theory: Mathematics and Cold War Culture." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Mitman, Gregg. UMI pub. no. 3234838. 386 pp.

3564. FRANKS, Curtis. "Mathematics Speaks for Itself." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at University of California, Irvine, 2006. Adviser: Antonelli, Aldo. UMI pub. no. 3225033. 185 pp. On debate about the necessity of a philosophical foundation for mathematics.

3565. HU Hua-kai and GOU Wen-zeng. "Animadversion on idealism of mathematics in China from the 1950s to 1970s." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 1 (2005): 87–96.

3566. KRÖMER, Ralf. "La 'machine de Grothendieck', se fonde-t-elle seulement sur des vocables métamathématiques ? Bourbaki et les catégories au cours des années cinquante." *Rev. Hist. Math.* 12 (2006): 119–162.

375-110. ASTRONOMY AND COSMOLOGY

(see also 164-Air and space technologies)

3567. DEVORKIN, David H., and Robert W. SMITH. *The Hubble Space Telescope: Imaging the Universe.* (192 pp.; ill.; bibl.; index.) Washington, D.C.: National Geographic, 2004. ISBN: 0792268695.

Reviews: [ref. R345]

3568. DICK, Steven J. "NASA and the Search for Life in the Universe." *Endeavour* 30 (2006): 71–75.

3569. KESSLER, Elizabeth A. "Spacescapes: Romantic Aesthetics and the Hubble Space Telescope Images." *Diss. Abstr. Int. A* 67/02 (2006).

Dissertation at the University of Chicago, 2006. Adviser: Mitchell, W. J. T. UMI pub. no. 3206327. 283 pp.

3570. MCCRAY, W. Patrick. "Amateur Scientists, the International Geophysical Year, and the Ambitions of Fred Whipple." *Isis* 97 (2006): 634–658.

On a program sponsored by the Smithsonian Astrophysical Observatory to recruit amateur satellite spotters.

375-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

3571. BERNARDINI, Carlo. "AdA: The First Electron-Positron Collider." *Phys. Persp.* 6 (2004): 156–183.

3572. CREAGER, Angela N. H. "Tracing the Politics of Changing Postwar Research Practices: The Export of 'American' Radioisotopes to European Biologists." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 367–388.

3573. CREASE, Robert P. "Quenched! The ISABELLE Saga." *Phys. Persp.* 7 (2005): 330–376, 404–452.

3574. DJUPSJOBACKA, Stefan Andreas. "Dialogue in the Crisis of Representation: Realism and Antirealism in the Context of the Conversation between Theologians and Quantum Physicists in Goettingen, 1949–1961." *Diss. Abstr. Int. C* 67/02 (2006): 513.

Dissertation at Abo Akademi (Finland), 2005. UMI pub. no. C823853. 374 pp.

3575. FREIRE, Olival, Jr. "Philosophy Enters the Optics Laboratory: Bell's Theorem and Its First Experimental Tests (1965–1982)." *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 577–616.

3576. GALISON, Peter. "Physics between War and Peace." Originally published in 1988. Includes a new postscript. In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 363–404.

On the impact of wartime research in World War II on postwar experimental and theoretical physics.

3577. GINGRAS, Yves. "Everything You Did Not Necessarily Want to Know about Gravitational Waves. And Why." *Stud. Hist. Phil. Sci.* 38 (2007): 268–282.

Essay review of Harry M. COLLINS, *Gravity's Shadow* (2004).

3578. HERRAN, Néstor. "Spreading Nucleonics: The Isotope School at the Atomic Energy Research Establishment, 1951–67." *Brit. J. Hist. Sci.* 39 (2006): 569–586.

3579. HODDESON, Lillian, and Adrienne KOLB. "Vision to Reality: From Robert R. Wilson's Frontier to Leon M. Lederman's Fermilab." *Phys. Persp.* 5 (2003): 67–86.

3580. HOUGH, James. "Gravitational Waves under the Microscope." *Ann. Sci.* 63 (2006): 371–375.

Essay review of Harry M. COLLINS, *Gravity's Shadow* (2004).

3581. HU Hua-kai. "Criticism of Albert Einstein during the Great Proletarian Cultural Revolution in

China." [Translated title.] In Chinese. *Guangxi Minzu Xueyuan Xuebao* 12, no. 1 (2006): 5–9.

3582. HU Hua-kai. "Criticism of relativity during the Great Proletarian Culture Revolution." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 4 (2006): 61–70.

3583. HUGHES, R. I. G. "Theoretical Practice: The Bohm-Pines Quartet." *Perspect. Sci.* 14 (2006): 457–524.

Uses a series of papers in the 1950s on "A Collective Description of Electron Interaction" to study theoretical practice in physics.

3584. ISHIGURO, Takehiko. "Misconduct Affair in Cutting-Edge Material Physics and Electronics at the Beginning of the 21st Century." *Hist. Scientiarum* 16 (2006): 41–61.

3585. JOSEPHSON, Paul R. *Red Atom: Russia's Nuclear Power Program from Stalin to Today.* (x + 352 pp.; ill.; bibl.; index.) New York: W. H. Freeman, 2000. ISBN: 0716731428.

3586. KRAGH, Helge S. "Cosmologies with Varying Speed of Light: A Historical Perspective." *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 726–737.

3587. KRIGE, John. "Distrust and Discovery: The Case of the Heavy Bosons at CERN." *Isis* 92 (2001): 517–540.

3588. KRIGE, John. "Isidor I. Rabi and CERN." *Phys. Persp.* 7 (2005): 150–164.

3589. LEVINE, James L. "Early Gravity-Wave Detection Experiments, 1960–1975." *Phys. Persp.* 6 (2004): 42–75.

3590. LIU Ji-feng, XIONG Xing-lin, and ZENG Hua-feng. "Cheng Kai-jia, China's nuclear commander." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 1 (2006): 87–96.

A member of the Chinese Academy of Sciences and one of the scientists who helped develop China's first atomic bomb and the method for testing it, Cheng has been honored with the title 'Meritorious scientist of two bombs and one satellite.'

3591. MATTINGLY, James. "Which Gauge Matters?" *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 243–262.

On Aharonov and Bohm's work regarding the action of electromagnetism.

3592. MEYENN, Karl von. (Ed.) *Wolfgang Pauli: Wissenschaftlicher Briefwechsel mit Bohr, Einstein, Heisenberg u.a. Vol. 4, Part 3, 1955–1956.* Translated title: [Scientific correspondence with Bohr, Einstein, Heisenberg a.o.]. In German. Sources in the History of Mathematics and Physical Sciences, 17. (lxv + 994 pp.) Berlin; New York: Springer, 2001. ISBN: 3540675914.

Reviews: [ref. R943]

3593. MEYENN, Karl von. (Ed.) *Wolfgang Pauli: Wissenschaftlicher Briefwechsel mit Bohr, Einstein, Heisenberg u.a. Vol. 4, Part 4, 1957–1958.* Translated title: [Scientific correspondence with Bohr, Einstein, Heisenberg a.o.]. In German. Sources in the History of Mathematics and Physical Sciences, 18. (2 vol.; xl + 1585 pp.) Berlin; New York: Springer, 2005. ISBN: 3540402969.

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3595. PYENSON, Lewis. "Artful Physics." *Ann. Sci.* 63 (2006): 363–370.

Essay review of David KAISER, *Drawing Theories Apart* (2005).

3596. READ, M. N., and D. J. MILLER. "Dane Haneman 1931–2002." *Hist. Rec. Aust. Sci.* 18 (2007): 75–96.

Australian physicist who studied clean semiconductor surfaces.

3597. TURCHETTI, Simone. "Atomic Secrets and Governmental Lies: Nuclear Science, Politics and Security in the Pontecorvo Case." *Brit. J. Hist. Sci.* 36 (2003): 389–415.

3598. WARNER, Deborah J. "A Matter of Gravity: Military Support for Gravimetry during the Cold War." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 339–362.

3599. WESTFALL, Catherine. "A Different Laboratory Tale: Fifty Years of Mössbauer Spectroscopy." *Phys. Persp.* 8 (2006): 189–213.

375-113. CHEMISTRY

3600. MARTIN, Heinz. *Polymere und Patente: Karl Ziegler, das Team, 1953-1998. Zur wirtschaftlichen Verwertung akademischer Forschung.* (xx + 310 pp.; ill.; bibl.; index.) Weinheim: Wiley-VCH, 2002. ISBN: 3527304983.

Reviews: [ref. R899]

3601. MORRIS, Peter J. T. "A Personal Historiography of the Chemical Industry since 1956." *Bull. Hist. Chem.* 32 (2007): 10–20.

3602. REINHARDT, Carsten. *Shifting and Rearranging: Physical Methods and the Transformation of Modern Chemistry.* (viii + 428 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 088135354X.

Illustrates the close connection of science and industry in the period 1950–1970 by exploring the role of scientific instrumentation.

Reviews: [ref. R1124]

3603. SCHUMMER, Joachim. "Gestalt Switch in Molecular Image Perception: The Aesthetic Origin of Molecular Nanotechnology in Supramolecular Chemistry." *Found. Chem.* 8 (2006): 53–72.

"Employing Umberto Eco's semiotic theory of aesthetics, I analyze the gestalt switch and the inspiration to build molecular devices and to develop a new sign language for supramolecular chemistry." (from the abstract)

3604. TOCA, Ángel. " 'Dos profesiones para un solo cometido'. La introducción de la ingeniería química en España durante el primer franquismo." *Dynamis* 26 (2006): 253–285.

375-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS
(includes meteorology and climatology)

3605. ANDERSON, Katharine. "Does History Count?" *Endeavour* 30 (2006): 150–155.
On the Census of Marine Life's survey of the history of marine animal populations (1999-2009).

3606. BEHRENDT, John C. *The Ninth Circle: A Memoir of Life and Death in Antarctica, 1960–1962.* (xiv + 240 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2005. ISBN: 0826334253.
On John Behrendt's scientific Antarctic expeditions, where he did geophysical, glaciological, geologic, and geographic studies.

3607. BELANGER, Dian Olson. *Deep Freeze: The United States, the International Geophysical Year, and the Origins of Antarctica's Age of Science.* (xxix + 494 pp.; ill.; bibl.; index.) Boulder: University Press of Colorado, 2006. ISBN: 0870818309.

3608. BOYKOFF, Maxwell T. "United States Media Representational Practices and Anthropogenic Climate Change: Investigations at the Interface of Science and Policy." *Diss. Abstr. Int. A* 67/02 (2006): 668.
Dissertation at University of California, Santa Cruz, 2006. Adviser: Goodman, David E. UMI pub. no. 3205605. 267 pp.

3609. CARVALHO, Anabela. "Ideological Cultures and Media Discourses on Scientific Knowledge: Rereading News on Climate Change." *Public Underst. Sci.* 16 (2007): 223–243.

3610. COCKRELL, Alan. *Drilling Ahead: The Quest for Oil in the Deep South, 1945-2005.* (xxiv + 301 pp.; ill.; bibl.; index.) Jackson, MS: Published for the Mississippi Geological Society by University Press of Mississippi, 2005. ISBN: 1578068118.
Reviews: [ref. R253]

3611. FINE, Gary Alan. *Authors of the Storm: Meteorologists and the Culture of Prediction.* (280 pp.; ill.; map; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226249520.
"Based on field observation and interviews at the Storm Prediction Center in Oklahoma, the National Weather Service in Washington, D.C., and a handful of midwestern outlets." (from the publisher)

3612. FOWLER, Philip A. "The Longitudinal Treatment and Structure of Plate Tectonics in Introductory College-Level Physical Geology Textbooks: 1974–2005." *Diss. Abstr. Int. A* 66/11 (2006): 3973.
Dissertation at Ball State University, 2005. Adviser: Grigsby, Jeff and Melissa Mitchell. UMI pub. no. 3194872. 185 pp.

3613. GOLDSTEIN, Edward S. "NASA's Earth Science Program: The Bureaucratic Struggles of the Space Agency's Mission to Planet Earth." *Diss. Abstr. Int. A* 68/01 (2007).
Dissertation at The George Washington University, 2007. Advisor: Harmon, Michael. Pub. no. AAT 3250599. 377 pp. Explores three themes: (1) how NASA's Earth science program represents a type of big science, (2) how its successes and failures were influenced by the organizational culture and priorities, and (3) debates about scientists' rights to speak freely on their work.

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3616. KORSMO, Fae L. "Shaping Up Planet Earth: The International Geophysical Year (1957–1958) and Communicating Science through Print and Film Media." *Sci. Commun.* 26 (2004): 162–187.

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375-122. NATURAL HISTORY

3618. HANNESSON, Rögnvaldur. *The Privatization of the Oceans.* (viii + 202 pp.; ill.; bibl.; index.) Cambridge, Mass.: MIT Press, 2004. ISBN: 0262083345.
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375-123. ECOLOGY; ENVIRONMENTAL SCIENCES
(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

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Dissertation at University of California, Los Angeles, 2006. Adviser: Wang, Jessica. UMI pub. no. 3234336. 317 pp.

3620. BOSSO, Christopher J. *Environment, Inc.: From Grassroots to Beltway.* Studies in Government and Public Policy. (xiv + 194 pp.; bibl.; index.) Lawrence: University Press of Kansas, 2005. ISBN: 0700613676.

3621. BRYANT, William Harold. "Whole System, Whole Earth: The Convergence of Technology and Ecology in Twentieth-Century American Culture." *Diss. Abstr. Int. A* 67/07 (2007): 2621.
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"An environmental history of the events that began with the Cree bringing the province of Quebec to court over the hydroelectrical projects and ended with the signing of a treaty agreement." (from the abstract)

3623. CHANEY, Sandra. "Protecting Nature in a Divided Nation: Conservation in the Two Germanys, 1945-1972." In *Germany's Nature*, edited by LEKAN and ZELLER (2005) [ref. 404], 207–243.

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3625. DONAHUE, Brian. "Another Look From Sanderson's Farm: A Perspective on New England Environmental History and Conservation." *Environ. Hist.* 12 (2007): 9–34.

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3626. ELKIND, Sarah S. "Environmental Inequality and the Urbanization of West Coast Watersheds." Forum: "Water and West Coast Cities." *Pacific Hist. Rev.* 75 (2006): 53–61.

See also: Matthew Morse BOOKER, "Oyster Growers and Oyster Pirates in San Francisco Bay," 63–88; Coll THRUSH, "City of the Changers: Indigenous People and the Transformation of Seattle's Watersheds," 89–117 [ref. 852]; David S. TORRES-ROUFF, "Water Use, Ethnic Conflict, and Infrastructure in Nineteenth-Century Los Angeles," 119–140.

3627. FLIPPEN, J. Brooks. *Nixon and the Environment.* (ix + 308 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2000. ISBN: 0826319939.

On how and why Richard Nixon embraced the burgeoning environmental movement.

3628. HEAZLE, Michael. *Scientific Uncertainty and the Politics of Whaling.* Circumpolar Research Series, 11. (xi + 260 pp.; ill.; bibl.; index.) Seattle: University of Washington Press, 2006. ISBN: 0295986050.

Focusing on the International Whaling Commission, this book "explores the impact of political and economic imperatives on the production and interpretation of scientific research and advice." (from the publisher)

Reviews: [ref. R599]

3629. KINKELA, David. "Pesticides, Politics, and the Dilemmas of Regulation: DDT and the International Context of United States Environmentalism, 1943–1982." *Diss. Abstr. Int. A* 66/11 (2006): 4155.

Dissertation at New York University, 2005. Adviser: Bender, Thomas. UMI pub. no. 3195461. 249 pp. "This dissertation investigates the construction of a conservative environmental ideology that has its roots in the domestic DDT debates of the 1960s and 70s." (from the abstract)

3630. LEWIS, Michael. "Indian Science for Indian Tigers? Conservation Biology and the Question of Cultural Values." *J. Hist. Biol.* 38 (2005): 185–207.

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3631. MURPHY, Priscilla Coit. *What a Book Can Do: The Publication and Reception of* Silent Spring. (xvi + 254 pp.; ill.; bibl.; index.) Amherst and Boston: University of Massachusetts Press, 2005. ISBN: 1558494766.

Reviews: [ref. R995]

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3633. SCHIZAS, Dimitris G., and George P. STAMOU. "The Concept of Life and Its Significance in the Construction of the New Ecosystem Ecology of Bernard Patten, Sven Jørgensen and Milan Straškraba." *Hist. Phil. Life Sci.* 28 (2006): 49–66.

3634. SONNETT, John H. "Representing the Earth: Global Climate Issues in Popular, Political, Scientific, Business, Industry, and Environmentalist News: A New Old Sociology of Knowledge." *Diss. Abstr. Int. A* 67/02 (2006): 743.

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3637. WEST, Paige. *Conservation is Our Government Now: The Politics of Ecology in Papua New Guinea.* New Ecologies for the Twenty-first Century. (xxx + 320 pp.; ill.; bibl.; index.) Durham: Duke University Press, 2006. ISBN: 0822337126.

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375-124. PALEONTOLOGY

3639. SEPKOSKI, David. "Stephen Jay Gould, Jack Sepkoski, and the 'Quantitative Revolution' in American Paleobiology." *J. Hist. Biol.* 38 (2005): 209–237.

375-130. BIOLOGICAL SCIENCES, GENERAL WORKS

3640. BRAUCKMANN, Sabine. "A Network of Tissue Cultures and Cells: The American Society of Cell Biology." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 295–308.

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3644. GAUDILLIÈRE, Jean-Paul. "Normal Pathways: Controlling Isotopes and Building Biomedical Research in Postwar France." Special issue: "Radiobiology in the Atomic Age: Changing Research Practices and Policies in Comparative Perspective" [ref. 3643]. *J. Hist. Biol.* 39 (2006): 737–764.

3645. HAMBLIN, Jacob Darwin. " 'A Dispassionate and Objective Effort': Negotiating the First Study on the Biological Effects of Atomic Radiation." *J. Hist. Biol.* 40 (2007): 147–177.

On the National Academy of Science's 1956 study.

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3649. RUSE, Michael. "Restroom Reading." *J. Hist. Biol.* 40 (2007): 179–184.

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3650. SANTESMASES, María Jesús. "Peace Propaganda and Biomedical Experimentation: Influential Uses of Radioisotopes in Endocrinology and Molecular Genetics in Spain." Special issue: "Radiobiology in the Atomic Age: Changing Research Practices and Policies in Comparative Perspective" [ref. 3643]. *J. Hist. Biol.* 39 (2006): 765–794.

3651. SCHWEIZER, Pia-Johanna, and Stefan SCHWEIZER. "Idealistisch geprägte Axiomatik des Selbstorganisationsparadigmas." *Ber. Wissenschaftsgesch.* 29 (2006): 53–66.

3652. SPERLING, Stefan. "Science and Conscience: An Ethnography of Stem Cells, Bioethics, and Citizenship in Germany." *Diss. Abstr. Int. A* 67/02 (2006): 617.

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3653. WENNERSTRÖM, Frida, and Anna DUBOIS. "Organising Research Interaction: A Case Study of a Research Project in Bioinformatics." Special section: "Att sälja biologi". *Lychnos* (2004): 165–177.

3654. WILSON, Edward O. *Nature Revealed: Selected Writings, 1949–2006.* (x + 719 pp.; ill.; maps; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 0801883296.

Reviews: [ref. 3649]

3655. ZHANG, Daqing, and Xiaoke CHEN. "From Brain Drain to Brain Gain: The CUSBEA Programme and Its Influence on Life Science in China." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 341–356.

375-131. BOTANY

(includes plant sciences)

3656. LEONELLI, Sabina. "*Arabidopsis*, the Botanical *Drosophila*: From Mouse Cress to Model Organism." *Endeavour* 31 (2007): 34–38.

375-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

3657. BAKER, Jason M. "Adaptive Speciation: The Role of Natural Selection in Mechanisms of Geographic and Non-geographic Speciation." Part of a special issue: "Mechanisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 303–326.

3658. BROCKMAN, John. (Ed.) *Intelligent Thought: Science Versus the Intelligent Design Movement.* (xiii + 256 pp.; bibl.) New York: Vintage, 2006. ISBN: 0307277224.

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3659. CHADAREVIAN, Soraya de. "*The Selfish Gene* at 30: The Origin and Career of a Book and Its Title." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 31–38.

3660. COMFORT, Nathaniel C. (Ed.) *The Panda's Black Box: Opening up the Intelligent Design*

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Reviews: [ref. 3537]

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3663. HOLMES, Frederic Lawrence. *Reconceiving the Gene: Seymour Benzer's Adventures in Phage Genetics.* edited by William C. SUMMERS. (ix + 334 pp.; ill.; bibl.; index.) New Haven: Yale University Press, 2006. ISBN: 0300110782.

Reviews: [ref. R639]

3664. KIRSH, Nurit. "Geneticist Elisabeth Goldschmidt: A Two-Fold Pioneering Story." *Israel Studies* 9, no. 2 (2004): 71–105.

On one of the few women in science in the 1950s and 1960s at Hebrew University in Jerusalem.

3665. NACHTOMY, Ohad, Ayelet SHAVIT, and Zohar YAKHINI. "Gene Expression and the Concept of the Phenotype." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 238–254.

3666. REILLY, Philip. *The Strongest Boy in the World: How Genetic Information Is Reshaping Our Lives.* (xvi + 278 pp.; ill.; bibl.; index.) Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, 2006. ISBN: 0879698012.

Reviews: [ref. R1122]

3667. YOUNG, Matt, and Taner EDIS. (Eds.) *Why Intelligent Design Fails: A Scientific Critique of the New Creationism.* (xv + 238 pp.; ill.; bibl.; index.) New Brunswick, N.J.: Rutgers University Press, 2004. ISBN: 081353433X.

Reviews: [ref. 3537]

375-134. MICROBIOLOGY; MOLECULAR BIOLOGY *(includes genetic engineering; for agricultural biotechnology, see 163-Agriculture)*

3668. AZZONE, Giovanni Felice. "Il caso e la necessità: la duplice identità degli organismi viventi." Part of a special issue in honor of the late Mirko D. Grmek [ref. 91]. *Hist. Phil. Life Sci.* 23 (2001): 163–184.

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Reviews: [ref. R145]

3670. BROWN, Andrew. *In the Beginning Was the Worm: Finding the Secrets of Life in a Tiny Hermaphrodite.* (244 pp.; ill.; bibl.) New York: Columbia University Press, 2003. ISBN: 0231131461.

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3671. CAPOCCI, Mauro, and Gilberto CORBELLINI. "Adriano Buzzati-Traverso and the Foundation of the International Laboratory of Genetics and Biophysics in Naples (1962–1969)." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 489–513.

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3674. CHADAREVIAN, Soraya de. "Reconstructing Life: Molecular Biology in Postwar Britain." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 431–448.

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3676. CHOWDHURY, Indira. "Local Hierarchies and International Networks: Molecular Biology at the Tata Institute of Fundamental Research, 1962-1980." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 309–323.

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3677. CREAGER, Angela N. H. "Adaptation or Selection? Old Issues and New Stakes in the Postwar Debates over Bacterial Drug Resistance." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 159–190.

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3680. GAUDILLIÈRE, Jean-Paul. "Paris–New York Roundtrip: Transatlantic Crossings and the Reconstruction of the Biological Sciences in Post-War France." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 389–417.

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3682. JONG, Simcha. "How Organizational Structures in Science Shape Spin-off Firms: The Biochemistry Departments of Berkeley, Stanford, and UCSF and the Birth of the Biotech Industry." *Industrial and Corporate Change* 15 (2006): 251–283.

3683. KRIGE, John. "The Birth of EMBO and the Difficult Road to EMBL." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 547–564.

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3684. MARKS, Leonie A., Nicholas KALAITZANDONAKES, Lee WILKINS, and Ludmila ZAKHAROVA. "Mass Media Framing of Biotechnology News." *Public Underst. Sci.* 16 (2007): 183–203.

3685. MORANGE, Michel. "François Jacob's Lab in the Seventies: The *T*-Complex and the Mouse Developmental Genetic Program." Part of a special issue: "From Embryology to Developmental Biology" [ref. 2374]. *Hist. Phil. Life Sci.* 22 (2000): 397–411.

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3688. SANCHO, Miguel García. "Mapping and Sequencing Information: The Social Context for the Genomics Revolution." *Endeavour* 31 (2007): 18–23.

3689. SCHRAMM, Manuel. "Riesenschweine und Retorten: Bilder der Biotechnologie in deutschen Zeitschriften 1980–2000." *NTM* 13 (2005): 201–215.

3690. STRASSER, Bruno J. "Institutionalizing Molecular Biology in Post-War Europe: A Comparative Study." Part of special issue: "Molecular Biology in Postwar Europe" [ref. 3675]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 515–546.

3691. ŠTRBÁŇOVÁ, Soňa. "Continuous Cultivation of Microorganisms: Dissemination of a Method at the Frontiers of Science, Technology and Politics." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 279–294.

3692. SULSTON, John, and Georgina FERRY. *The Common Thread: A Story of Science, Politics, Ethics, and the Human Genome.* (x + 310 pp.; ill.; bibl.; index.) Washington, D.C.: Joseph Henry, 2002. ISBN: 0309084091.

Reviews: [ref. 3672]

3693. SUNG, Wen-Ching. "Global Science: The Convergence of Biotechnology and Capitalism in China." *Diss. Abstr. Int. A* 67/05 (2006): 1795.

Dissertation at Harvard University, 2006. Adviser: Kleinman, Arthur. UMI pub. no. 3217892. 238 pp.

375-135. PHYSICAL ANTHROPOLOGY; HUMAN BIOLOGY

(includes human evolution, primatology; for human body, see also 150-Medicine)

3694. RADICK, Gregory. "What's in a Name? The Vervet Predator Calls and the Limits of the Washburnian Synthesis." Part of special section: "Fielding the Question: Primatological Research in Historical Perspective" [ref. 499]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 334–362.

3695. REES, Amanda. "A Place That Answers Questions: Primatological Field Sites and the Making of Authentic Observations." Part of special section: "Fielding the Question: Primatological Research in Historical Perspective" [ref. 499]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 311–333.

375-136. NEUROSCIENCE

(see also 151-Psychiatry)

3696. COLLINS, Alan F. "An Intimate Connection: Oliver Zangwill and the Emergence of Neuropsychology in Britain." *Hist. Psychol.* 9 (2006): 89–112.

3697. DEWSBURY, Donald A. "The Lashley Award." *J. Hist. Neurosci.* 15 (2006): 111–128.

Discusses the history of the Karl Spencer Lashley Award for Distinguished Achievement in the Neurosciences, established in 1953.

3698. HUBEL, David H., and Torsten N. WIESEL. *Brain and Visual Perception: The Story of a 25-Year Collaboration.* (viii + 729 pp.; ill.; bibl.; index.) New York, N.Y.: Oxford University Press, 2005. ISBN: 0195176189.

Autobiographical account and reprints of papers by the Nobel-winning neuroscientists.

Reviews: [ref. R658]

375-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

3699. BLASS, Thomas. “Unsupported Allegations about a Link between Milgram and the CIA: Tortured Reasoning in *A Question of Torture*.” *J. Hist. Behav. Sci.* 43 (2007): 199–203.

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3701. GENTER, Robert. “ ‘Hypnotizzy’ in the Cold War: The American Fascination with Hypnotism in the 1950s.” *J. Amer. Cult.* 29 (2006): 154–169.

3702. GOVENER, Molly Rebekah. “Lessons on Being: Implications of the Bateson Research Project.” *Diss. Abstr. Int. B* 67/09 (2006).

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(see also 136-Neurosciences and 137-Psychology)

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(includes pharmaceuticals and illicit drugs)

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